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ABSTRACT

This report draws on an in-depth analysis of previously unpublished data from the National Assessment of Educational Progress (NAEP) to gauge progress in mathematics toward the goal set following the Education Summit in Charlottesville, VA in September, 1989. The goal of the summit was to have students demonstrate knowledge in challenging subject matter with the objective that the academic performance of all students at the elementary and secondary level will increase significantly in every quartile, and the distribution of minority students in every quartile will more closely reflect the student population as a whole. The data in the report are for changes in achievement in 4th grade mathematics for the period from 1992 to 2000, and in 8th grade mathematics for the period from 1990 to 2000. Data are also provided on the gap between poor and non-poor students from 1996 to 2000. Overall there was widespread improvement in performance in mathematics up and down the distribution. By contrast, there was almost no improvement in the gap between white students and minorities (black and Hispanic) with a similar absence of improvement for poor versus non-poor (over a shorter time period), and with modest improvement in the gap between top and bottom scoring students. (MM)

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ED 462 296

RAISING ACHIEVEMENT AND REDUCING GAPS:

Reporting Progress Toward Goals for Academic Achievement in Mathematics

By:
Paul E. Barton

January, 2002

A REPORT TO THE **NATIONAL EDUCATION GOALS PANEL**

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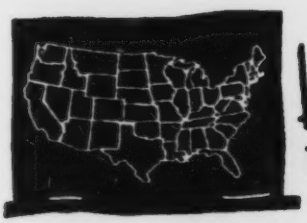

Lessons from the States

NATIONAL EDUCATION GOALS PANEL

The National Education Goals Panel is a bipartisan body of federal and state officials* made up of eight governors, four members of Congress, four state legislators and two members appointed by the president. To learn more about the Goals Panel, please visit http://www.negp.gov.

The eight National Education Goals calls for greater levels of student achievement and citizenship; high school completion; teacher education and professional development; parental participation in the schools; literacy and lifelong learning; and safe, disciplined, and alcohol-and-drug-free schools. The Goals also call for all children to be ready to learn by the time they start school and for U.S. students to be first in the world of mathematics and science achievement.

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RAISING ACHIEVEMENT AND REDUCING GAPS:

Reporting Progress Toward Goals for Academic Achievement in Mathematics

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Lessons from the States

from THE NATIONAL EDUCATION GOALS

GOAL 3: STUDENT ACHIEVEMENT

"...all students will leave grades 4, 8 and 12, having demonstrated competency in challenging subject matter..."

Objective 1: "The academic performance of all students at the elementary and secondary levels will increase significantly in every quartile, and the distribution of minority students in each quartile will more closely reflect the student population as a whole."

About the Author

Paul E. Barton prepared this report for the National Education Goals Panel. Mr. Barton is a former Director of the Policy Information Center at Educational Testing Service (ETS). At ETS he also has served as Associate Director of the National Assessment of Educational Progress. Barton has been President of the National Institute for Work and Learning, a member of the secretary of Labor's Policy Planning Staff, and a staff member of the Office of Management and Budget in the Executive Office of the President.

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FOREWORD

The National Education Goals Panel is pleased to release a new analysis of data from the National Assessment of Educational Progress (NAEP) by Paul E. Barton. This report looks at results for public school students in the nation and in participating states from state NAEP administered in 2000. It examines in detail the change in NAEP 4th and 8th grade mathematics scores at the state level between the base line year and the most recent administration of the test.

Thirty-six states, which include the District of Columbia and Guam, participated in state level NAEP mathematics assessments in the 4th grade in both 1992 and 2000. Thirty-one states, which include the District of Columbia and Guam, participated in state level NAEP mathematics assessments in the 8th grade in both 1990 and 2000. The analysis examines on a state-by-state basis change over time in scores. In order to provide a fuller picture of mathematics achievement in the states, the NAEP results are disaggregated by subgroups of students.

Specifically, the analysis looks at the change in a state's average score; the change in scores for students in the bottom or lowest scoring quartile; the change in scores for students in the top or highest scoring quartile; and at the change in the percentage of students scoring at the proficient level or higher on the NAEP mathematics assessment.

Goal 3 of the National Education Goals states that "... all students will leave grades 4, 8, and 12 having demonstrated competency in challenging subject matter ..." Objective 1 under Goal 3 states: "The academic performance of all students at the elementary and secondary levels will increase significantly in every quartile, and the distribution of minority students in each quartile will more closely reflect the student population as a whole." The Bush Administration's proposal for reauthorization of the Elementary and Secondary Education Act, No Child Left Behind, is consistent with Objective 1 in its focus on reducing the historic achievement gaps between minority and economically disadvantaged students and majority and economically advantaged students.

Consequently, this report provides additional comparisons that look at the change in the gap between students in the top and bottom quartiles; the change in the gap between minority and majority student scores; and the change in the gap between the scores of student who are and are not eligible for free or reduced price lunch. The latter category is the best available indicator for identifying economically disadvantaged students and, for this analysis, covers the period between 1996 and 2000.

THE RESULTS

Overall, the results in mathematics are encouraging. The majority of participating states and the nation as a whole showed statistically significant positive change in average scores, the scores for the top and bottom quartiles, and in the percentage of students scoring at the proficient level or higher.

However, the good news in mathematics achievement does not extend to reducing the gaps in performance between groups of students. The nation and the states were less successful in closing the gap in the scores between the top and bottom quartiles. More significantly, there was almost no progress in closing the gaps between the scores of majority and minority students or between the scores of students eligible and not eligible for free or reduced price lunch. These historic gaps remain stubbornly persistent and troubling. We can only realize the lofty goal of improving the education of *all* students by accelerating improvements in achievement for those students who have historically not been as successful in our educational system.

In the 4th grade:

- 27 of 36 states and the nation raised students' average scores.
- 26 of 36 states and the nation raised the average score of students in the bottom quartile.
- 27 of 36 states and the nation raised the average score of students in the top quartile.
- 25 of 36 states and the nation raised the percentage of students scoring at the proficient level or higher.

However:

- Only 14 of 36 states reduced the gap in scores between the top and bottom quartiles.
- Only 2 states, North Carolina and Georgia, reduced the gap between white and minority scores.
- Only 1 state, Connecticut, reduced the gap in scores between students eligible and not eligible for free or reduced price lunch.

Public school fourth-graders in Connecticut and North Carolina showed improvement in six of the seven categories examined. Another nine states—Alabama, Louisiana, Massachusetts, Mississippi, New York, Ohio, Texas, Virginia, and West Virginia—and the nation as a whole showed improvement in five of the seven categories.

In the 8th grade:

- 27 of 31 states and the nation raised average scores and none declined.
- 21 of 31 states and the nation raised the average score of students in the bottom quartile and none declined.
- 29 of 31 states and the nation raised the average score of students in the top quartile and none declined.
- 29 of 31 states and the nation raised the percentage of students scoring at the proficient level or higher and none declined.

However:

- Only 8 of 31 states reduced the gap in scores between the top and bottom quartiles and the gap increased in 5 states.
- No states reduced the gap between white and minority scores and the gap increased in 2 states.
- No state reduced the gap in scores between students eligible and not eligible for free and reduced price lunch.

Public school eighth-graders in eight states—Hawaii, Illinois, Indiana, New York, North Carolina, Ohio, Texas, and Virginia—showed improvement in five of the seven categories examined.

Five states—New York, North Carolina, Ohio, Texas, and Virginia—showed improvements in at least five of the seven categories at both the 4th- and 8th-grade.

IN CONCLUSION

The overall results from the 2000 NAEP mathematics assessment are encouraging. In the nation and in the majority of participating states, achievement is increasing for students at all levels of performance.

The good news, however, should not obscure the need for even greater improvement. Only 25% of the nation's fourth-graders and 26% of its eighth-graders scored at the proficient level or higher, the level determined by the Goals Panel to be reflective of "competency in challenging subject matter..." Furthermore, no significant progress has been made in reducing the performance gaps experienced by minority and economically disadvantaged children. This is the fundamental challenge that must be the focus of the next phase of education reform and improvement.

Looking at the broader range of NAEP data, mathematics is the one academic area where notable progress and improvement is evident. The recently released results of the 2000 NAEP science assessment reveal stagnant performance. Scores for students in the fourth and eighth grades were essentially unchanged from the previous administration of the test in 1996, and scores for twelfth-graders declined. An earlier Goals Panel analysis of NAEP reading data (*Raising Academic Achievement and Reducing Gaps: Reporting on Progress Toward Goals for Academic Achievement;* Paul E. Barton; March, 2001) documented a decline in reading achievement for students in the bottom quartile.

The relative success in mathematics suggests the need for additional research and case studies to attempt to identify the factors in policy and practice that are contributing to improvements overall and in the limited number of states showing improvement in the greatest number of categories.

Acknowledgements

This report is based entirely on the data collected by the National Assessment of Educational Progress (NAEP). The data used in the report were provided for the National Education Goals Panel through an arrangement between the National Center for Educational Statistics and the Education Testing Service (ETS). ETS made all tabulations. I thank David Freund and Mei-Jang Lin for them.

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EXECUTIVE SUMMARY

The report draws on an in-depth analysis of data, previously unpublished, from the National Assessment of Educational Progress, to gauge progress in mathematics toward the goal set following the Education Summit in Charlottesville, Virginia, in September of 1989. The Summit was attended by President George Bush and the nation's Governors. The goal was to have students demonstrate knowledge in "challenging subject matter," with the objective that "The academic performance of all students at the elementary and secondary level will increase significantly in every quartile, and the distribution of minority students in every quartile will more closely reflect the student population as a whole."

The data in the report are for changes in achievement in 4th grade mathematics for the period from 1992 to 2000, and in 8th grade mathematics for the period from 1990 to 2000. Data are also provided on the gap between poor and non-poor students from 1996 to 2000. Data provided for Minority students are a combination of scores for Black and Hispanic students. The data are state by state, and the term "state" includes the District of Columbia and Guam.

- In mathematics there was improvement in most all states in the average scores of all 8th grade students in the state. Improvement was also widespread at the 4th grade, but not in as many states. There was similar improvement in the percent of students reaching or exceeding the proficient level of performance.

- In most of these states showing improvement, it was up and down the line, although for the 8th grade there were somewhat fewer that showed progress for students in the bottom fourth than for the average for all students or for those in the top fourth.

- The gap between top and bottom scoring students was unchanged in the majority of the states, but there was improvement in a considerable number for the 4th grade, but for fewer in the 8th grade. In the 8th grade, the gap actually widened in five states.

- The results in the decade of the 1990s in terms of the important matter of reducing the gap between White and Minority students were very disappointing. In the 8th grade, it narrowed in one of the states and in the 4th

grade, it narrowed in only two. The gap grew in two states in the 8th grade and in one in the 4th grade.

- In terms of the gap between poor and non-poor students, the picture was about the same as for the White/Minority gap. (The measure used was students eligible for the school lunch program as compared with students not eligible. The time period was from 1996 to 2000.)

Overall, there was widespread improvement in performance in mathematics and up and down the distribution. In contrast, there was almost no improvement in the gap between students who are White and those who are Minority, with a similar absence of improvement for poor versus non-poor (over a shorter time period), and with modest improvement in the gap between top and bottom scoring students.

INTRODUCTION

The purpose of this report is to examine educational achievement in mathematics, state-by-state, during the decade of the 1990s, in the terms set by President George Bush and the nation's Governors following the Education Summit in Charlottesville, Virginia in September of 1989. To do so, it draws on the data of the much respected National Assessment of Educational Progress (NAEP), also called The Nation's Report Card. The Goal (number 3) was to have students demonstrate knowledge in "challenging subject matter," with the objective that "The academic performance of all students at the elementary and secondary level will increase significantly in every quartile, and the distribution of minority students in every quartile will more closely reflect the student population as a whole."

Since that time, in education reform proposals made by President George W. Bush, and, at this writing, passed by both Houses of Congress (but not as yet enacted) a new goal has been made explicit. It is that we also reduce the large gaps in achievement between the top and bottom students. This report also examines achievement in these terms.

In a prior report, issued March 2001, I examined achievement in these terms for reading for the period of 1992 to 1998, and mathematics from 1990 to 1996, based on the latest NAEP assessments then available. Mathematics was last assessed in 2000, making it possible now to report on what happened from 1990 to 2000 (for 8th grade students), and from 1992 to 2000 (for 4th grade students). This report has expanded the examination of gaps in achievement to include the gap between students eligible to participate in the school lunch program and those not eligible. Roughly, this permits a comparison between students in poverty with those not in poverty.

The data used in this report were produced through special tabulations of data that have not been previously published. These tabulations were performed by Educational Testing Service for the National Education Goals Panel under arrangements made by the National Center for Educational Statistics, the agency responsible for NAEP. Neither ETS nor NCES bear responsibility for the way I have used the data in this report.

The report starts with a summation of the findings. It then provides detailed reports, state-by-state. In this section, the data are presented on the right hand page, and a test summarizing it is presented on the left hand page. The original tabulations provided by Educational Testing Service are shown in the Appendix. These tabulations, and technical data about them, provide much more data than are analyzed

and summarized in the body of this report. Individual states and analysts can mine it to learn much more about student performance.

In this report, "Minority" student scores mean a combination of scores for Black and Hispanic students. When the term "state" is used, it includes the District of Columbia and Guam.

CHANGES IN ACHIEVEMENT AND IN GAPS IN ACHIEVEMENT

The Fourth Grade

The following table summarizes the changes in achievement and in the gaps in achievement from 1992 to 2000.

- Average for all students. There was widespread improvement in the average for all student scores, and in some cases, there were sizeable gains. Average scores improved in 27 states, were unchanged in 8, and declined in only 1.

- Average for students in the bottom quartile. The pattern for students in the bottom fourth of the distribution was similar; scores rose in 26 state, were unchanged in 9, and fell in only 1.

- Average for students in the top quartile. Again, the pattern was similar to the average for all students. Scores rose in 27 states, were unchanged in 8 and fell in 1.

- Percent scoring at the proficient level or above. There was improvement in 25 states, 10 were unchanged, and 1 declined. A state may improve in the averages, but still not have enough students rise above the specific "cut-point" labeled as "proficient" to record a significant increase. This is discussed at some length in the prior report in March 2001.

- The gap from top to bottom. There was substantial, but considerably less improvement in the gap between the average scores in the top and bottom quartiles. The gap narrowed in 14 states, was unchanged in 22, and increased in none.

- The gap between White and Minority scores. This gap barely budged. It narrowed in only 2 states, remained the same in 32, and increased in 1.

- The gap between poor and non-poor students. Using eligibility for the school lunch program as the measure, the gap narrowed in only one state, and widened in one state.

CHANGES IN 4th GRADE MATH NAEP SCORES BETWEEN 1992 AND 2000
(PUBLIC SCHOOLS)

State	Avg. Scores	Q1 (Bottom Quartile)	Q4 (Top Quartile)	Percent of Students Scoring Proficient	Quartile Gap Closing	White/Minority Gap Closing	Free/Non-Free Lunch Gap Closing (1996-2000)
NATION	↑	↑	↑	↑	→	↑	→
Alabama	↑	↑	↑	↑	↑	→	→
Arizona	→	→	↑	↑	→	→	→
Arkansas	↑	↑	↑	↑	→	→	→
California	↑	↑	→	→	↑	→	→
Connecticut	↑	↑	↑	↑	↑	→	↑
Georgia	↑	↑	↑	→	→	↑	→
Hawaii	→	↑	→	→	↑	→	→
Idaho	↑	→	↑	↑	→	→	NA
Indiana	↑	↑	↑	↑	→	→	→
Iowa	→	↑	→	→	↑	→	→
Kentucky	↑	↑	↑	↑	→	→	→
Louisiana	↑	↑	↑	↑	↑	→	→
Maine	→	→	→	→	→	→	→
Maryland	↑	↑	↑	↑	→	→	→
Massachusetts	↑	↑	↑	↑	↑	→	↓
Michigan	↑	↑	↑	↑	→	→	→
Minnesota	↑	↑	↑	↑	→	→	→
Mississippi	↑	↑	↑	↑	↑	→	→
Missouri	↑	↑	↑	↑	→	→	→
Nebraska	→	→	→	→	→	→	→
New Mexico	→	→	→	→	→	→	→
New York	↑	↑	↑	↑	↑	→	→
North Carolina	↑	↑	↑	↑	↑	↑	→
North Dakota	→	→	↑	→	→	→	→

CHANGES IN 4th GRADE MATH NAEP SCORES BETWEEN 1992 AND 2000 (PUBLIC SCHOOLS)

State	Avg. Scores	Q1 (Bottom Quartile)	Q4 (Top Quartile)	Percent of Students Scoring Proficient	Quartile Gap Closing	White/Minority Gap Closing	Free/Non-Free Lunch Gap Closing (1996-2000)
Ohio	↑	↑	↑	↑	↑	→	NA
Oklahoma	↑	↑	→	→	→	→	NA
Rhode Island	↑	↑	↑	↑	→	→	→
South Carolina	↑	↑	↑	↑	→	→	→
Tennessee	↑	↑	↑	↑	→	→	→
Texas	↑	↑	↑	↑	↑	→	→
Utah	↑	→	↑	↑	→	↓	→
Virginia	↑	↑	↑	↑	↑	→	→
West Virginia	↑	↑	↑	↑	↑	→	→
Wyoming	↑	→	↑	↑	→	→	→
District of Columbia	→	→	→	→	→	→	→
Guam	↓	↓	↓	↓	→	NA	→
States* Improving	27	26	27	25	14	2	1
States* Unchanged	8	9	8	10	22	32	31
States* Declining	1	1	1	1	0	1	1
Not Applicable						1	3

*Thirty-four states plus the District of Columbia and Guam participated in 4th grade NAEP in math in both 1992 and 2000. The term "state" includes District of Columbia, Guam, and Virgin Islands.

KEY

↑Better

→Unchanged

↓Worse

The Eighth Grade

The following table summarizes the changes in the 8th grade in the period from 1990 to 2000 (state-by-state assessments began two years earlier for the 8th grade than for the 4th grade).

- Average for all students. There was improvement in 27 out of the 31 states that participated in the assessment in both of these years. There were no declines in average scores.

- Average for students in the bottom quartile. There were somewhat fewer states showing an improvement in students in the bottom fourth of the distribution, with 21 showing improvement, and none having a decline.

- Average for students in the top quartile. In contrast, there were more states showing improvement among students in the top fourth of the distribution than for the average for all students. Average scores rose in 29 states, were unchanged in 2, and declined in none.

- Percent of students scoring at or above the proficient level. The percentage rose in 29 states, 2 were unchanged, and none declined.

- The gap between the top and bottom students. There was less success in narrowing the gap between students in the top and bottom quartiles. The gap was reduced in just 8 states, and was unchanged in 18. The gap widened in 5 states. Note above that in some states, scores improved in the top quartile but not in the bottom quartile. Where the gap widened, it was from the best students getting better, not from declines among the lower achieving students.

- The gap between White and Minority students. There were no states in which there was a narrowing of the gap. It remained the same in 27 states and it worsened in 2.

- The gap between poor and non-poor students. Using eligibility for the school lunch program as the measure, there was widening of the gap in 2 states and the remaining 25 states were unchanged. (See the table on page 29 for additional states; the data are from the period 1996-2000.)

CHANGES IN 8th GRADE MATH NAEP SCORES BETWEEN 1990 AND 2000
(PUBLIC SCHOOLS)

State	Avg. Scores	Q1 (Bottom Quartile)	Q4 (Top Quartile)	Percent of Students Scoring Proficient	Quartile Gap Closing	White/Minority Gap Closing	Free/Non-Free Lunch Gap Closing (1996-2000)
NATION	↑	↑	↑	↑	→	→	→
Alabama	↑	↑	↑	↑	↓	↓	→
Arizona	↑	↑	↑	↑	→	→	→
Arkansas	↑	→	↑	↑	↓	→	→
California	↑	→	↑	↑	→	→	→
Connecticut	↑	↑	↑	↑	→	→	→
Georgia	↑	↑	↑	↑	→	→	→
Hawaii	↑	↑	↑	↑	↑	→	→
Idaho	↑	→	↑	↑	↓	→	NA
Illinois	↑	↑	↑	↑	↑	→	NA
Indiana	↑	↑	↑	↑	↑	→	→
Kentucky	↑	↑	↑	↑	→	→	→
Louisiana	↑	↑	↑	↑	→	↓	→
Maryland	↑	↑	↑	↑	→	→	→
Michigan	↑	↑	↑	↑	→	→	→
Minnesota	↑	↑	↑	↑	→	→	→
Montana	↑	→	↑	↑	→	→	→
Nebraska	↑	→	↑	↑	→	→	↓
New Mexico	→	→	↑	↑	→	→	→
New York	↑	↑	↑	↑	↑	→	→
North Carolina	↑	↑	↑	↑	↑	→	→
North Dakota	→	→	→	→	→	→	→

CHANGES IN 8th GRADE MATH NAEP SCORES BETWEEN 1990 AND 2000
(PUBLIC SCHOOLS)

State	Avg. Scores	Q1 (Bottom Quartile)	Q4 (Top Quartile)	Percent of Students Scoring Proficient	Quartile Gap Closing	White/Minority Gap Closing	Free/Non-Free Lunch Gap Closing (1996-2000)
Ohio	↑	↑	↑	↑	↑	→	NA
Oklahoma	↑	↑	↑	↑	→	→	NA
Oregon	↑	↑	↑	↑	→	→	→
Rhode Island	↑	↑	↑	↑	→	→	→
Texas	↑	↑	↑	↑	↑	→	→
Virginia	↑	↑	↑	↑	↑	→	→
West Virginia	↑	↑	↑	↑	→	→	→
Wyoming	↑	→	↑	↑	↓	→	→
District of Columbia	→	→	↑	↑	↓	NA	↓
Guam	→	→	→	→	→	NA	→
States* Improving	27	21	29	29	8	0	0
States* Unchanged	4	10	2	2	18	27	25
States* Declining	0	0	0	0	5	2	2
Not Applicable						2	4

*Twenty-seven states plus the District of Columbia and Guam participated in 8th grade NAEP in math in both 1990 and 2000. The term "state" includes District of Columbia, Guam, and Virgin Islands.

KEY

↑Better

→Unchanged

↓Worse

CHANGES IN THE GAP BETWEEN STUDENTS ELIGIBLE FOR SCHOOL LUNCH AND THOSE NOT ELIGIBLE 1996-2000

	4th Grade [1]	8th Grade [2]
States Improving	1	3
States Unchanged	35	32
States Declining	1	0

"States" includes District of Columbia and Guam.

1. 37 states participating.

2. 35 states participating.

STATE TRENDS

The pages that follow provide more detail on trends. While the prior summary indicates the number of states where there was a significant change, the pages that follow also show the size of the changes, whether between the average scores or the gaps in scores in this time period. These tables and accompanying text show:

- Changes in average achievement scores for all students in each state.
- Changes in average scores for students in the top and bottom quartiles.
- Changes in the percent of students reaching the proficient level.
- Changes in the gap in average scores between the top and bottom quartiles.
- Changes in the gap in average scores between White and Minority students.
- Changes in the gap between students eligible for the school lunch program and those not eligible (for the period from 1996 to 2000.)

Changes in Fourth Grade Mathematics Scores

In the period 1992 to 2000, there were gains in the great majority of the states in average scores, in the averages for both the bottom fourth of students and in the top fourth, and in the percentage reaching the proficient level of achievement.

- While a fourth failed to raise average scores, only Guam had a decline in scores during the period.
- Three states that raised their average scores did not also raise the percentage reaching the proficient level: California, Georgia and Oklahoma.
- As can be seen in the table on the right, several states had considerable gains in average scores, with nine states increasing by 10 to 20 scale points.

4th GRADE MATHEMATICS, 1992-2000 (PUBLIC SCHOOLS)
CHANGES IN NAEP SCORES

State	Change in Average Score	Change in Q1, Bottom Quartile	Change in Q4, Top Quartile	Percentile at Or Above Proficient
NATION	8*	8*	6*	+*
Alabama	10*	11*	6*	+*
Arizona	4	1	5*	+*
Arkansas	7*	8*	6*	+*
California	5*	8*	2	
Connecticut	7*	10*	4*	+*
Georgia	4*	5*	3*	
Hawaii	2	5*	-2	
Idaho	5*	4	5*	+*
Indiana	13*	12*	11*	+*
Iowa	3	7*	-1	
Kentucky	6*	4*	5*	+*
Louisiana	14*	17*	9*	+*
Maine	-1	1	-1	
Maryland	5*	6*	3*	+*
Massachusetts	8*	10*	5*	+*
Michigan	11*	12*	9*	+*
Minnesota	7*	8*	5*	+*
Mississippi	9*	13*	6*	+*
Missouri	6*	7*	3*	+*
Nebraska	1	-2	2	
New Mexico	1	-2	1	
New York	8*	14*	4*	+*
North Carolina	20*	26*	13*	+*
North Dakota	2	1	3*	
Ohio	12*	15*	8*	+*
Oklahoma	5*	6*	1	
Rhode Island	9*	7*	9*	+*
South Carolina	8*	6*	6*	+*
Tennessee	9*	5*	10*	+*
Texas	15*	20*	9*	+*
Utah	3*	1	3*	+*
Virginia	10*	14*	4*	+*
West Virginia	10*	12*	5*	+*
Wyoming	4*	1	5*	+*
District of Columbia	1	1	0	
Guam	-9*	-9*	-10*	-*

From special tabulations of NAEP data prepared by Educational Testing Service

*—— *Means Statistically Significant ——*

Changes in the Gap Between the Top and Bottom Quartiles in Fourth Grade Mathematics

From 1992 to 2000, the gap in performance between the top and bottom fourth of students was reduced in 14 states, a substantial improvement in the decade, given the slow pace at which the gap has generally been changing. No state slipped backward.

The largest gap in performance was in California, at 82 points, and the smallest was in Oklahoma at 59 points.

4th GRADE MATHEMATICS, 1992-2000 (PUBLIC SCHOOLS)
CHANGES IN GAP BETWEEN TOP AND BOTTOM QUARTILE SCORES

State	Gap Between Average Scores Of Top and Bottom Quartiles in 2000	Change in the Gap Between 1992 and 2000
NATION	77	-1
Alabama	71	-6*
Arizona	78	4
Arkansas	71	-2
California	82	-6*
Connecticut	69	-7*
Georgia	75	-3
Hawaii	75	-6*
Idaho	67	1
Indiana	65	-1
Iowa	62	-7*
Kentucky	71	1
Louisiana	69	-8*
Maine	64	-2
Maryland	81	-3
Massachusetts	69	-5*
Michigan	75	-2
Minnesota	70	-3
Mississippi	68	-7*
Missouri	68	-4
Nebraska	76	4
New Mexico	74	3
New York	68	-10*
North Carolina	66	-13*
North Dakota	64	2
Ohio	67	-7*
Oklahoma	59	-5
Rhode Island	78	2
South Carolina	75	0
Tennessee	77	5
Texas	63	-10*
Utah	71	2
Virginia	68	-10*
West Virginia	64	-7*
Wyoming	67	4
District of Columbia	75	-1
Guam	80	-2

From special tabulations of NAEP data prepared by Educational Testing Service

*—— *Means Statistically Significant ——*

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Changes in the Gap Between White and Minority Student Scores in Eighth Grade Mathematics

In the period from 1992 to 2000, just two states achieved a reduction in the gap between White and Minority (Black and Hispanic) student scores: Georgia and North Carolina. The gap increased in Utah.

In 2000, the gap ranged from a high of 50 points in the District of Columbia and 35 in Rhode Island, to a low of 7 points in Maine and 15 in North Dakota.

4th GRADE MATHEMATICS, 1992-2000 (PUBLIC SCHOOLS)
CHANGES IN GAP BETWEEN WHITE AND MINORITY SCORES

State	Gap in 2000	Change in the Gap from 1992
NATION	27	-5*
Alabama	25	-5
Arizona	27	4
Arkansas	25	-2
California	29	-1
Connecticut	30	-4
Georgia	26	-5*
Hawaii	20	0
Idaho	19	-1
Indiana	20	-4
Iowa	21	1
Kentucky	23	6
Louisiana	25	-5
Maine	7	-8
Maryland	32	0
Massachusetts	30	-1
Michigan	35	2
Minnesota	27	0
Mississippi	25	-4
Missouri	30	2
Nebraska	28	0
New Mexico	19	-3
New York	27	-2
North Carolina	23	-6*
North Dakota	15	-2
Ohio	25	3
Oklahoma	18	-1
Rhode Island	35	3
South Carolina	28	-1
Tennessee	27	2
Texas	20	-3
Utah	26	8*
Virginia	26	-3
West Virginia	16	4
Wyoming	17	4
District of Columbia	50	-2

From special tabulations of NAEP data prepared by Educational Testing Service

—— *Means Statistically Significant* ——

Changes in the Gap Between
Students Eligible for the School Lunch Program
And Students Not Eligible in
Fourth Grade Mathematics

The gap was reduced in just one state, Connecticut, from 1996 to 2000. It rose in one state, Massachusetts.

The gap was highest in Rhode Island and the District of Columbia at 31 points, and lowest in Maine, 12 points, and Iowa, 13, points.

4th GRADE MATHEMATICS, 1992-2000 (PUBLIC SCHOOLS)
CHANGES IN GAP BETWEEN STUDENTS ELIGIBLE FOR LUNCH PROGRAM AND THOSE NOT ELIGIBLE

State	Gap in 2000	Change in the Gap from 1996
NATION	26	+2
Alabama	24	-1
Arizona	26	-2
Arkansas	23	0
California	29	1
Connecticut	26	-7*
Georgia	29	4
Hawaii	22	-1
Indiana	18	-4
Iowa	13	-2
Kentucky	21	1
Louisiana	23	-1
Maine	12	-5
Maryland	29	-4
Massachusetts	30	9*
Michigan	28	4
Minnesota	21	0
Mississippi	23	-2
Missouri	24	1
Montana	19	2
Nebraska	25	3
Nevada	20	-2
New Mexico	23	-1
New York	25	-4
North Carolina	21	-4
North Dakota	14	3
Oregon	21	0
Rhode Island	31	6
South Carolina	27	1
Tennessee	27	2
Texas	20	-5
Utah	18	3
Vermont	21	0
Virginia	22	-2
West Virginia	15	-4
Wyoming	14	-1
District of Columbia	31	-4
Guam	17	-1

From special tabulations of NAEP data prepared by Educational Testing Service

*— — * Means Statistically Significant — —*

Changes in Eighth Grade Mathematics Scores

The decade of the 1990s saw widespread improvement in the average score, in the average for the bottom quarter of students as well as in the top quarter, and in the percentage of students reaching the proficiency level of achievement.

- All but four participating states raised their average scores.
- However, there were just 10 that failed to improve in the bottom quartile, compared to just 2 not improving in the top quartile. The lower scoring students did not share in the improvement as much as those above them.
- Only two states failed to make gains in the percent reaching the proficient levels in achievement.

As can be seen in the table at the right, the gains were often substantial.

8th GRADE MATHEMATICS, 1990-2000 (PUBLIC SCHOOLS)
CHANGES IN NAEP SCORES

State	Change in Average Score	Change in Q1 Bottom Quartile	Change in Q4 Top Quartile	Percentile at Or Above Proficient
NATION	13*	12*	13*	+*
Alabama	9*	5*	12*	+*
Arizona	11*	8*	11*	+*
Arkansas	5*	0	7*	+*
California	6*	3	7*	+*
Connecticut	12*	11*	10*	+*
Georgia	7*	9*	5*	+*
Hawaii	11*	15*	7*	+*
Idaho	6*	2	10*	+*
Illinois	16*	21*	13*	+*
Indiana	16*	17*	13*	+*
Kentucky	14*	13*	13*	+*
Louisiana	13*	11*	12*	+*
Maryland	15*	15*	14*	+*
Michigan	14*	13*	13*	+*
Minnesota	12*	10*	11*	+*
Montana	6*	2	7*	+*
Nebraska	5*	3	5*	+*
New Mexico	3	-2	4*	+*
New York	15*	20*	10*	+*
North Carolina	30*	31*	28*	+*
North Dakota	2	1	1	
Ohio	19*	21*	16*	+*
Oklahoma	8*	9*	6*	+*
Oregon	9*	6*	10*	+*
Rhode Island	13*	15*	11*	+*
Texas	17*	17*	11*	+*
Virginia	12*	15*	8*	+*
West Virginia	15*	16*	13*	+*
Wyoming	5*	0	7*	+*
District of Columbia	3	-5	9*	+*
Guam	2	1	-1	

From special tabulations of NAEP data prepared by Educational Testing Service

*—— *Means Statistically Significant ——*

Changes in the Gap Between the Top and Bottom Quartiles Eighth Grade Mathematics

From 1990 to 2000, the gap in performance was reduced in eight states. However, it grew in five states.

The largest gap between performance of the top and bottom quartile students was 97 points in California, with Maryland a close second at 95. The lowest gap was 73 points in North Dakota.

8th GRADE MATHEMATICS, 1990-2000 (PUBLIC SCHOOLS)
CHANGES IN GAP BETWEEN TOP AND BOTTOM QUARTILE SCORES

State	Gap Between Average Scores Of Top and Bottom Quartiles in 2000	Change in the Gap Between 1990 and 2000
NATION	91	1
Alabama	92	7*
Arizona	88	3
Arkansas	88	8*
California	97	4
Connecticut	89	-1
Georgia	88	-4
Hawaii	89	-9*
Idaho	80	8*
Illinois	82	-8*
Indiana	77	-4*
Kentucky	82	0
Louisiana	83	1
Maryland	95	-1
Michigan	85	0
Minnesota	81	1
Montana	76	5
Nebraska	82	1
New Mexico	87	6
New York	84	-10*
North Carolina	84	-4*
North Dakota	73	0
Ohio	77	-5*
Oklahoma	75	-3
Oregon	86	4
Rhode Island	87	-3
Texas	82	-6*
Virginia	84	-7*
West Virginia	76	-4
Wyoming	79	6*
District of Columbia	94	14*
Guam	91	-2

From special tabulations of NAEP data prepared by Educational Testing Service

*—— *Means Statistically Significant ——*

Changes in the Gap Between White and Minority Student Scores in Eighth Grade Mathematics

From 1990 to 2000, no participating state reduced the achievement gap between White and Minority (Black and Hispanic) students. The gap increased in two states: Alabama and Louisiana.

In 2000, the gap ranged from a high of 44 scale points in Connecticut to a low of 15 in Montana.

8th GRADE MATHEMATICS, 1990-000 (PUBLIC SCHOOLS)
CHANGES IN GAP BETWEEN WHITE AND MINORITY SCORES

State	Gap in 2000	Change in the Gap from 1990
NATION	36	5
Alabama	36	6*
Arizona	32	4
Arkansas	37	4
California	32	-3
Connecticut	44	6
Georgia	34	1
Hawaii	25	-6
Idaho	32	7
Illinois	30	-7
Indiana	25	-2
Kentucky	24	0
Louisiana	36	7*
Maryland	38	4
Michigan	39	3
Minnesota	39	0
Montana	15	-5
Nebraska	33	-2
New Mexico	27	2
New York	31	-6
North Carolina	33	2
North Dakota	22	-15
Ohio	28	-7
Oklahoma	26	-3
Oregon	25	4
Rhode Island	35	-2
Texas	26	-5
Virginia	30	0
West Virginia	19	-6
Wyoming	25	5

From special tabulations of NAEP data prepared by Educational Testing Service

—— **Means Statistically Significant* ——

Changes in the Gap Between
Students Eligible for the School Lunch Program and
Students Not Eligible in
Eighth Grade Mathematics

The gap increased in three states from 1996 to 2000: Nebraska, Utah and the District of Columbia. There were no decreases.

In 2000, the gap ranged from a high of 35 in Maryland and in the District of Columbia, to a low of 14 in Maine.

8th GRADE MATHEMATICS, 1996-2000 (PUBLIC SCHOOLS)
CHANGES IN GAP BETWEEN STUDENTS ELIGIBLE FOR LUNCH PROGRAM AND THOSE NOT ELIGIBLE

State	Gap in 2000	Change in the Gap from 1996
NATION	29	2
Alabama	32	-1
Arizona	28	5
Arkansas	21	-3
California	31	1
Connecticut	41	8
Georgia	29	-2
Hawaii	19	-1
Indiana	20	-5
Kentucky	24	1
Louisiana	29	5
Maine	14	-1
Maryland	35	-1
Massachusetts	28	-2
Michigan	31	4
Minnesota	17	-1
Mississippi	25	-1
Missouri	24	4
Montana	17	-7
Nebraska	26	7*
New Mexico	21	0
New York	25	-4
North Carolina	27	1
North Dakota	16	2
Oregon	24	4
Rhode Island	30	4
South Carolina	27	1
Tennessee	29	4
Texas	25	-5
Utah	20	8*
Vermont	23	5
Virginia	25	-6
West Virginia	19	2
Wyoming	16	1
District of Columbia	35	16*
Guam	22	-4

From special tabulations of NAEP data prepared by Educational Testing Service

*— — * Means Statistically Significant — —*

APPENDIX TABLES

These tables were prepared by Educational Testing Service for the National Education Goals Panel under arrangements made by the National Center for Education Statistics.

NAEP GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:
Change in Average Scores from 1992 to 2000

	2000			1992			2000-1992 Differences		
	Mean	SE	N	Mean	SE	N	Diff	SIG_FDR	Sig T-test?
National	226.24	0.96	7070	218.58	0.80	5641	7.66	>	>
Northeast	229.21	1.80	1409	223.63	2.07	1007	5.58	>	>
Southeast	220.17	2.31	2097	210.00	1.83	1733	10.17	>	>
Central	230.68	1.53	1350	223.16	2.10	1213	7.52	>	>
West	225.28	2.10	2214	218.25	1.52	1688	7.02	>	>
Alabama	217.94	1.41	2438	208.33	1.56	2605	9.61	>	>
Arizona	218.77	1.42	2082	215.25	1.07	2741	3.51		
Arkansas	217.06	1.13	2262	210.21	0.89	2621	6.86	>	>
California	213.57	1.85	1656	208.40	1.56	2412	5.17	>	>
Connecticut	234.24	1.16	2499	226.80	1.13	2600	7.45	>	>
Georgia	219.56	1.06	2681	215.60	1.23	2766	3.96	>	>
Hawaii	215.87	1.07	2439	214.06	1.31	2625	1.82		
Idaho	226.89	1.21	1699	221.56	0.96	2784	5.33	>	>
Indiana	234.42	1.08	1864	221.04	1.04	2593	13.38	>	>
Iowa	232.90	1.27	1909	229.88	1.02	2770	3.01		
Kentucky	220.99	1.17	2275	215.05	1.01	2703	5.95	>	>
Louisiana	217.96	1.40	2513	204.14	1.46	2792	13.82	>	>
Maine	230.57	0.92	2132	231.64	1.00	1898	-1.07		
Maryland	222.31	1.27	2645	217.32	1.28	2844	4.99	>	>
Massachusetts	234.96	1.12	2292	226.60	1.17	2549	8.36	>	>
Michigan	230.89	1.43	1903	219.88	1.71	2412	11.01	>	>
Minnesota	235.27	1.33	1822	228.49	0.91	2640	6.78	>	>
Mississippi	210.97	1.07	2831	201.83	1.08	2712	9.14	>	>
Missouri	228.55	1.19	2330	222.22	1.19	2509	6.34	>	>
Nebraska	225.95	1.72	1396	225.33	1.23	2327	0.61		
New Mexico	213.87	1.48	1933	213.30	1.44	2342	0.57		
New York	226.56	1.33	1753	218.45	1.25	2284	8.11	>	>
North Carolina	232.46	1.00	2413	212.88	1.09	2884	19.58	>	>
North Dakota	230.89	0.86	2456	228.66	0.77	2193	2.23		
Ohio	230.57	1.33	1913	218.71	1.18	2637	11.86	>	>
Oklahoma	225.04	1.26	2302	220.32	0.98	2254	4.72	>	>
Rhode Island	224.63	1.22	2447	215.45	1.53	2390	9.18	>	>
South Carolina	220.42	1.39	2501	212.50	1.08	2771	7.92	>	>
Tennessee	219.84	1.49	2488	210.95	1.35	2708	8.89	>	>
Texas	232.67	1.21	2171	217.92	1.21	2623	14.75	>	>
Utah	227.29	1.22	2639	224.04	0.97	2799	3.25		>
Virginia	230.40	1.27	2439	220.76	1.30	2786	9.63	>	>
West Virginia	224.85	1.20	2431	215.27	1.05	2786	9.58	>	>
Wyoming	229.25	1.30	1739	225.38	0.93	2605	3.87	>	>
Dist. Of Columbia	193.29	1.17	2297	192.60	0.53	2399	0.69		
Guam	184.30	2.34	1012	192.82	0.82	1933	-8.52	<	<

2000-1992 Avg Differences

NAEP Grade 4 National and State Math Assessment: Significant Test Calculation for Change in Average Scores from 1992 to 2000

2000 Avg				1992 Avg				Est.	Pooled		T- Test			FDR Test		
Nation & States	Mean	SE	N	Nation & States	Mean	SE	N	Diff	SE	DF	T Value	Probability	Sig	F. Size	Probability	SIG_FDR
National	226.24	0.96	7070	National	218.58	0.80	5641	7.66	0.96	0.801	6.1082	0.0000	>	1	0.0000	n/a
Northeast	229.21	1.80	1409	Northeast	223.63	2.07	1007	5.58	1.80	2.066	2.0370	0.0497	>	4	0.0497	>
Southeast	220.17	2.31	2097	Southeast	210.00	1.83	1733	10.17	2.31	1.828	3.4509	0.0015	>	4	0.0015	>
Central	230.68	1.53	1350	Central	223.16	2.10	1213	7.52	1.53	2.104	2.8901	0.0119	>	4	0.0119	>
West	225.28	2.10	2214	West	218.25	1.52	1688	7.02	2.10	1.52	2.7123	0.0122	>	4	0.0122	>
Alabama	217.94	1.41	2438	Alabama	208.33	1.56	2605	9.61	1.41	1.562	4.5717	0.0000	>	39	0.0000	>
Arizona	218.77	1.42	2082	Arizona	215.25	1.07	2741	3.51	1.42	1.071	1.9778	0.0522		39	0.0522	
Arkansas	217.06	1.13	2262	Arkansas	210.21	0.89	2621	6.86	1.13	0.892	4.7530	0.0000	>	39	0.0000	>
California	213.57	1.85	1656	California	208.40	1.56	2412	5.17	1.85	1.561	2.1377	0.0350	>	39	0.0350	>
Connecticut	234.24	1.16	2499	Connecticut	226.80	1.13	2600	7.45	1.16	1.131	4.6011	0.0000	>	39	0.0000	>
Georgia	219.56	1.06	2681	Georgia	215.60	1.23	2766	3.96	1.06	1.232	2.4342	0.0172	>	39	0.0172	>
Hawaii	215.87	1.07	2439	Hawaii	214.06	1.31	2625	1.82	1.07	1.307	1.0738	0.2859		39	0.2859	
Idaho	226.89	1.21	1699	Idaho	221.56	0.96	2784	5.33	1.21	0.956	3.4591	0.0011	>	39	0.0011	>
Indiana	234.42	1.08	1864	Indiana	221.04	1.04	2593	13.38	1.08	1.039	8.9436	0.0000	>	39	0.0000	>
Iowa	232.90	1.27	1909	Iowa	229.88	1.02	2770	3.01	1.27	1.016	1.8532	0.0693		39	0.0693	
Kentucky	220.99	1.17	2275	Kentucky	215.05	1.01	2703	5.95	1.17	1.006	3.8574	0.0002	>	39	0.0002	>
Louisiana	217.96	1.40	2513	Louisiana	204.14	1.46	2792	13.82	1.40	1.462	6.8396	0.0000	>	39	0.0000	>
Maine	230.57	0.92	2132	Maine	231.64	1.00	1898	-1.07	0.92	1.002	-0.7863	0.4350		39	0.4350	
Maryland	222.31	1.27	2645	Maryland	217.32	1.28	2844	4.99	1.27	1.28	2.7658	0.0072	>	39	0.0072	>
Massachusetts	234.96	1.12	2292	Massachusetts	226.60	1.17	2549	8.36	1.12	1.172	5.1519	0.0000	>	39	0.0000	>
Michigan	230.89	1.43	1903	Michigan	219.88	1.71	2412	11.01	1.43	1.714	4.9373	0.0000	>	39	0.0000	>
Minnesota	235.27	1.33	1822	Minnesota	228.49	0.91	2640	6.78	1.33	0.905	4.2245	0.0001	>	39	0.0001	>
Mississippi	210.97	1.07	2831	Mississippi	201.83	1.08	2712	9.14	1.07	1.079	6.0279	0.0000	>	39	0.0000	>
Missouri	228.55	1.19	2330	Missouri	222.22	1.19	2509	6.34	1.19	1.186	3.7697	0.0003	>	39	0.0003	>
Nebraska	225.95	1.72	1396	Nebraska	225.33	1.23	2327	0.61	1.72	1.23	0.2900	0.7730		39	0.7730	
New Mexico	213.87	1.48	1933	New Mexico	213.30	1.44	2342	0.57	1.48	1.443	0.2748	0.7849		39	0.7849	
New York	226.56	1.33	1753	New York	218.45	1.25	2284	8.11	1.33	1.245	4.4606	0.0000	>	39	0.0000	>
North Carolina	232.46	1.00	2413	North Carolina	212.88	1.09	2884	19.58	1.00	1.094	13.2145	0.0000	>	39	0.0000	>
North Dakota	230.89	0.86	2456	North Dakota	228.66	0.77	2193	2.23	0.86	0.768	1.9289	0.0565		39	0.0565	
Ohio	230.57	1.33	1913	Ohio	218.71	1.18	2637	11.86	1.33	1.181	6.6813	0.0000	>	39	0.0000	>
Oklahoma	225.04	1.26	2302	Oklahoma	220.32	0.98	2254	4.72	1.26	0.979	2.9598	0.0063	>	39	0.0063	>
Rhode Island	224.63	1.22	2447	Rhode Island	215.45	1.53	2390	9.18	1.22	1.529	4.6919	0.0000	>	39	0.0000	>
South Carolina	220.42	1.39	2501	South Carolina	212.50	1.08	2771	7.92	1.39	1.081	4.5032	0.0001	>	39	0.0001	>
Tennessee	219.84	1.49	2488	Tennessee	210.95	1.35	2708	8.89	1.49	1.352	4.4155	0.0000	>	39	0.0000	>
Texas	232.67	1.21	2171	Texas	217.92	1.21	2623	14.75	1.21	1.214	8.6124	0.0000	>	39	0.0000	>
Utah	227.29	1.22	2639	Utah	224.04	0.97	2799	3.25	1.22	0.967	2.0871	0.0394	>	39	0.0394	
Virginia	230.40	1.27	2439	Virginia	220.76	1.30	2786	9.63	1.27	1.302	5.2894	0.0000	>	39	0.0000	>
West Virginia	224.85	1.20	2431	West Virginia	215.27	1.05	2786	9.58	1.20	1.053	6.0047	0.0000	>	39	0.0000	>
Wyoming	229.25	1.30	1739	Wyoming	225.38	0.93	2605	3.87	1.30	0.93	2.4201	0.0212	>	39	0.0212	>
Dist. Of Columbia	193.29	1.17	2297	Dist. Of Columbia	192.60	0.53	2399	0.69	1.17	0.53	0.5354	0.5944		39	0.5944	
Guam	184.30	2.34	1012	Guam	192.82	0.82	1933	-8.52	2.34	0.824	-3.4358	0.0020	<	39	0.0020	<

2000-1992 Avg Differences

NAEP GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:
Change in Percentage of Students Scoring Proficient and Above from 1992 to 2000

	2000			1992			2000-1992 Differences		
	Pct	SE	N	Pct	SE	N	Diff	SIG_FDR	Sig T-test?
National	24.77	1.16	7070	17.25	1.11	5641	7.52	>	>
Northeast	26.94	2.59	1409	22.94	2.78	1007	3.99		
Southeast	19.17	2.15	2097	10.62	1.41	1733	8.55	>	>
Central	28.74	2.18	1350	19.90	2.07	1213	8.84	>	>
West	24.39	2.35	2214	16.54	2.24	1688	7.85	>	>
Alabama	14.23	1.30	2438	10.14	1.21	2605	4.08	>	>
Arizona	16.79	1.55	2082	13.07	0.92	2741	3.71		>
Arkansas	13.32	1.10	2262	9.70	0.73	2621	3.62	>	>
California	14.55	1.41	1656	12.37	1.18	2412	2.18		
Connecticut	31.84	1.63	2499	24.39	1.40	2600	7.45	>	>
Georgia	17.98	1.10	2681	15.26	1.18	2766	2.72		
Hawaii	14.01	1.03	2439	14.62	0.92	2625	-0.61		
Idaho	21.42	1.55	1699	15.66	0.97	2784	5.76	>	>
Indiana	30.90	1.62	1864	15.59	1.11	2593	15.30	>	>
Iowa	27.63	1.87	1909	26.03	1.24	2770	1.60		
Kentucky	17.20	1.23	2275	12.57	1.16	2703	4.64	>	>
Louisiana	14.00	1.39	2513	7.60	0.77	2792	6.41	>	>
Maine	24.60	1.27	2132	27.42	1.50	1898	-2.83		
Maryland	22.25	1.41	26.45	18.36	1.21	2844	3.88		>
Massachusetts	33.33	1.55	2292	23.34	1.46	2549	9.99	>	>
Michigan	29.45	1.77	1903	18.49	1.68	2412	10.96	>	>
Minnesota	34.02	1.76	1822	25.91	1.26	2640	8.12	>	>
Mississippi	9.07	0.92	2831	6.25	0.65	2712	2.82	>	>
Missouri	23.43	1.57	2330	18.64	1.33	2509	4.79	>	>
Nebraska	24.05	1.88	1396	21.81	1.59	2327	2.24		
New Mexico	11.97	1.04	1933	11.06	1.27	2342	0.91		
New York	21.98	1.58	1753	17.00	1.26	2284	4.98	>	>
North Carolina	27.72	1.48	2413	12.72	0.84	2884	15.00	>	>
North Dakota	25.35	1.34	2456	22.25	1.09	2193	3.10		
Ohio	25.77	2.06	1913	16.11	1.21	2637	9.66	>	>
Oklahoma	16.29	1.18	2302	13.95	1.18	2254	2.34		
Rhode Island	23.06	1.28	2447	13.29	1.09	2390	9.77	>	>
South Carolina	18.01	1.16	2501	12.80	1.09	2771	5.21	>	>
Tennessee	18.24	1.47	2488	9.89	0.97	2708	8.36	>	>
Texas	27.14	1.82	2171	15.04	1.24	2623	12.10	>	>
Utah	23.77	1.32	2639	19.00	1.06	2799	4.77	>	>
Virginia	25.34	1.59	2439	18.82	1.53	2786	6.52	>	>
West Virginia	18.26	1.62	2431	12.24	0.92	2786	6.01	>	>
Wyoming	25.14	1.46	1739	18.70	1.13	2605	6.44	>	>
Dist. Of Columbia	5.52	0.83	2297	5.47	0.35	2399	0.05		
Guam	2.30	0.62	1012	4.68	0.53	1933	-2.38	<	<

2000-1992 Avg Differences

NAEP Grade 4 National and State Math Assessment: Significant Test Calculation for Change in Percentage of Students Scoring Proficient and Above from 1992 to 2000

2000 Prf				1992 Prf				Est.	Pooled		T- Test			FDR Test		
Nation & States	Pct	SE	N	Nation & States	Pct	SE	N	Diff	SE	DF	T Value	Probability	Sig	F. Size	Probability	SIG_FDR
National	24.77	1.16	7070	National	17.25	1.11	5641	7.52	1.60	98	4.6857	0.0000	>	1	0.0000	>
Northeast	26.94	2.59	1409	Northeast	22.94	2.78	1007	3.99	3.80	27	1.0500	0.2938		4	0.3030	
Southeast	19.17	2.15	2097	Southeast	10.62	1.41	1733	8.55	2.57	27	3.3293	0.0009	>	4	0.0025	>
Central	28.74	2.18	1350	Central	19.90	2.07	1213	8.84	3.00	39	2.9445	0.0033	>	4	0.0054	>
West	24.39	2.35	2214	West	16.54	2.24	1688	7.85	3.25	23	2.4196	0.0156	>	4	0.0238	>
Alabama	14.23	1.30	2438	Alabama	10.14	1.21	2605	4.08	1.77	51	2.3015	0.0214	>	39	0.0255	>
Arizona	16.79	1.55	2082	Arizona	13.07	0.92	2741	3.71	1.81	33	2.0553	0.0399	>	39	0.0478	
Arkansas	13.32	1.10	2262	Arkansas	9.70	0.73	2621	3.62	1.32	50	2.7444	0.0061	>	39	0.0084	>
California	14.55	1.41	1656	California	12.37	1.18	2412	2.18	1.84	60	1.1879	0.2351		39	0.2396	
Connecticut	31.84	1.63	2499	Connecticut	24.39	1.40	2600	7.45	2.15	99	3.4724	0.0005	>	39	0.0008	>
Georgia	17.98	1.10	2681	Georgia	15.26	1.18	2766	2.72	1.61	69	1.6866	0.0918		39	0.0962	
Hawaii	14.01	1.03	2439	Hawaii	14.62	0.92	2625	-0.61	1.38	84	-0.4435	0.6573		39	0.6585	
Idaho	21.42	1.55	1699	Idaho	15.66	0.97	2784	5.76	1.83	49	3.1448	0.0017	>	39	0.0028	>
Indiana	30.90	1.62	1864	Indiana	15.59	1.11	2593	15.30	1.96	92	7.8068	0.0000	>	39	0.0000	>
Iowa	27.63	1.87	1909	Iowa	26.03	1.24	2770	1.60	2.24	67	0.7156	0.4741		39	0.4767	
Kentucky	17.20	1.23	2275	Kentucky	12.57	1.16	2703	4.64	1.69	72	2.7439	0.0061	>	39	0.0077	>
Louisiana	14.00	1.39	2513	Louisiana	7.60	0.77	2792	6.41	1.58	43	4.0457	0.0001	>	39	0.0002	>
Maine	24.60	1.27	2132	Maine	27.42	1.50	1898	-2.83	1.97	62	-1.4369	0.1510		39	0.1558	
Maryland	22.25	1.41	2645	Maryland	18.36	1.21	2844	3.88	1.86	91	2.0914	0.0385	>	39	0.0393	
Massachusetts	33.33	1.55	2292	Massachusetts	23.34	1.46	2549	9.99	2.13	82	4.6833	0.0000	>	39	0.0000	>
Michigan	29.45	1.77	1903	Michigan	18.49	1.68	2412	10.96	2.44	67	4.4956	0.0000	>	39	0.0000	>
Minnesota	34.02	1.76	1822	Minnesota	25.91	1.26	2640	8.12	2.16	81	3.7527	0.0002	>	39	0.0003	>
Mississippi	9.07	0.92	2631	Mississippi	6.25	0.65	2712	2.82	1.12	36	2.5115	0.0121	>	39	0.0166	>
Missouri	23.43	1.57	2330	Missouri	18.64	1.33	2509	4.79	2.06	77	2.3259	0.0201	>	39	0.0227	>
Nebraska	24.05	1.88	1396	Nebraska	21.81	1.59	2327	2.24	2.46	45	0.9109	0.3624		39	0.3672	
New Mexico	11.97	1.04	1933	New Mexico	11.06	1.27	2342	0.91	1.65	28	0.5533	0.5804		39	0.5845	
New York	21.98	1.58	1753	New York	17.00	1.26	2284	4.98	2.02	74	2.4604	0.0139	>	39	0.0162	>
North Carolina	27.72	1.48	2413	North Carolina	12.72	0.84	2884	15.00	1.70	77	8.8250	0.0000	>	39	0.0000	>
North Dakota	25.35	1.34	2456	North Dakota	22.25	1.09	2193	3.10	1.73	106	1.7983	0.0722		39	0.0750	
Ohio	25.77	2.06	1913	Ohio	16.11	1.21	2637	9.66	2.39	43	4.0351	0.0001	>	39	0.0002	>
Oklahoma	16.29	1.18	2302	Oklahoma	13.95	1.18	2254	2.34	1.66	93	1.4088	0.1588		39	0.1622	
Rhode Island	23.06	1.28	2447	Rhode Island	13.29	1.09	2390	9.77	1.68	77	5.8315	0.0000	>	39	0.0000	>
South Carolina	18.01	1.16	2501	South Carolina	12.80	1.09	2771	5.21	1.59	102	3.2777	0.0011	>	39	0.0014	>
Tennessee	18.24	1.47	2488	Tennessee	9.89	0.97	2708	8.36	1.77	43	4.7314	0.0000	>	39	0.0000	>
Texas	27.14	1.82	2171	Texas	15.04	1.24	2623	12.10	2.20	72	5.5088	0.0000	>	39	0.0000	>
Utah	23.77	1.32	2639	Utah	19.00	1.06	2799	4.77	1.69	83	2.8250	0.0047	>	39	0.0059	>
Virginia	25.34	1.59	2439	Virginia	18.82	1.53	2786	6.52	2.20	66	2.9584	0.0031	>	39	0.0043	>
West Virginia	18.26	1.62	2431	West Virginia	12.24	0.92	2786	6.01	1.87	76	3.2232	0.0013	>	39	0.0019	>
Wyoming	25.14	1.46	1739	Wyoming	18.70	1.13	2605	6.44	1.85	54	3.4859	0.0005	>	39	0.0010	>
Dist. Of Columbia	5.52	0.83	2297	Dist. Of Columbia	5.47	0.35	2399	0.05	0.90	45	0.0521	0.9583		39	0.9587	
Guam	2.30	0.62	1012	Guam	4.68	0.53	1933	-2.38	0.81	38	-2.9392	0.0033	<	39	0.0056	<

2000-1992 Pct Differences

NAEP 2000 Grade 4 National and State Math Assessment: Average Scale Scores of Public School Students in Each of the Four Performance Quartiles

	Quartile 1				Quartile 2				Quartile 3				Quartile 4				Quartile 4-Quartile 1		
	N	Mean	SE	DF	N	Mean	SE	DF	N	Mean	SE	DF	N	Mean	SE	DF	Mean	Pooled SE	Pooled DF
Nation	1951	188.29	0.74	28.19	1840	217.77	0.46	27.08	1722	237.83	0.40	31.05	1557	263.11	0.58	22.80	76.82	0.94	50.03
Alabama	573	181.81	1.30	12.61	612	208.99	0.70	47.21	626	228.18	0.44	49.03	627	252.70	0.80	31.98	70.88	1.53	22.59
Arizona	454	178.34	1.11	26.98	533	210.07	0.76	41.29	541	230.63	0.52	39.33	554	256.11	1.19	15.97	77.77	1.63	38.69
Arkansas	544	180.39	1.12	38.32	572	208.74	0.64	45.97	571	227.55	0.87	45.70	575	251.67	0.59	31.62	71.28	1.27	57.09
California	369	171.04	1.30	25.72	408	203.84	0.87	14.41	433	226.38	0.69	35.30	446	252.93	0.90	21.55	81.89	1.58	44.13
Connecticut	617	198.15	1.33	16.30	624	227.07	0.48	53.12	634	244.58	0.45	44.21	624	267.16	0.69	28.06	69.01	1.50	25.12
Georgia	648	181.47	1.13	32.27	671	210.14	0.39	34.00	687	229.92	0.47	62.00	677	256.93	0.78	30.91	75.46	1.37	56.91
Hawaii	553	177.00	1.36	9.18	612	207.43	0.92	52.51	623	226.86	0.81	38.30	651	252.06	0.67	27.43	75.06	1.52	13.89
Idaho	378	191.16	2.08	16.45	437	220.75	0.65	28.84	438	237.00	0.56	30.26	446	258.51	0.85	45.32	67.35	2.24	22.14
Illinois	416	187.22	1.20	24.08	421	216.78	0.71	33.20	389	235.68	0.75	12.74	396	259.85	1.19	17.14	72.63	1.69	40.10
Indiana	432	200.40	1.13	18.82	470	227.71	0.65	19.06	477	244.08	0.51	33.95	485	265.62	0.94	24.27	65.23	1.47	39.22
Iowa	429	200.89	1.49	19.13	486	226.01	0.66	46.55	502	241.97	0.90	62.00	492	262.83	0.90	37.03	61.94	1.74	33.35
Kansas	393	194.42	1.61	30.51	395	225.15	0.75	39.03	388	243.22	0.65	38.95	385	265.12	0.96	22.20	70.71	1.87	47.81
Kentucky	557	184.66	1.20	44.79	575	212.47	0.64	62.00	564	231.06	0.52	56.44	579	255.78	0.67	34.01	71.12	1.37	68.57
Louisiana	596	182.85	1.41	10.25	619	209.28	0.61	57.35	649	227.80	0.59	61.93	649	251.84	0.70	22.61	68.99	1.58	15.50
Maine	512	198.37	1.28	23.25	532	223.09	0.86	52.19	546	238.83	0.51	39.88	542	262.05	0.68	51.72	63.68	1.45	36.74
Maryland	634	180.47	1.33	9.57	665	212.46	0.71	29.26	681	234.63	0.66	36.44	665	261.69	0.96	15.92	81.22	1.63	19.02
Massachusetts	536	197.99	1.47	9.38	584	229.04	0.65	33.41	594	246.35	0.48	30.81	578	266.82	0.66	40.02	68.82	1.61	13.44
Michigan	471	190.92	1.21	34.31	482	223.31	0.61	40.50	487	243.08	0.53	38.16	463	266.37	1.04	12.59	75.45	1.59	41.85
Minnesota	425	198.50	1.57	19.61	483	228.04	0.65	51.01	459	246.32	0.61	9.86	475	268.23	0.81	6.37	69.72	1.76	25.81
Mississippi	707	177.61	1.26	19.87	715	201.46	0.61	41.48	705	219.30	0.69	18.39	704	245.59	0.96	22.77	67.98	1.58	38.37
Missouri	587	193.10	1.27	31.06	583	221.99	0.65	30.05	578	238.49	0.79	48.66	582	260.62	0.90	13.68	67.52	1.55	44.57
Montana	271	196.74	1.96	9.38	283	221.79	1.42	35.74	285	238.85	0.84	26.22	284	261.45	1.60	17.86	64.71	2.53	21.14
Nebraska	313	185.77	1.52	33.34	362	218.04	0.83	46.28	362	237.65	0.75	55.73	359	262.04	0.90	40.64	76.27	1.77	55.43
Nevada	589	184.32	1.29	35.35	649	212.37	0.62	47.80	643	230.21	0.70	46.19	648	254.39	0.78	26.55	70.06	1.51	56.09
New Mexico	404	176.31	2.06	7.41	485	205.22	0.93	39.26	519	223.88	0.69	50.33	525	249.98	1.11	12.24	73.67	2.34	11.70
New York	410	192.07	1.04	26.69	443	217.64	0.73	29.65	450	236.03	0.45	46.23	450	260.35	0.86	22.22	68.28	1.35	48.48
North Carolina	596	199.26	1.15	22.88	597	224.12	0.73	53.20	612	241.51	0.40	57.91	608	265.03	0.76	28.44	65.78	1.38	41.07
North Dakota	586	197.65	1.58	32.60	613	223.82	0.60	44.79	637	240.10	0.70	43.63	620	261.91	0.73	31.37	64.25	1.74	45.84
Ohio	469	196.36	0.78	24.55	480	222.45	0.83	42.44	483	240.21	0.57	24.59	481	263.26	0.89	8.37	66.90	1.19	21.66
Oklahoma	538	194.42	2.01	4.50	577	218.73	0.47	32.05	592	233.48	0.66	62.00	595	253.43	0.65	42.57	59.02	2.12	5.49
Oregon	372	187.98	2.19	26.87	404	218.42	0.70	36.44	407	237.80	0.76	31.73	413	262.17	1.15	35.34	74.19	2.47	41.28
Rhode Island	538	183.19	2.28	13.46	626	217.70	0.73	17.41	646	236.75	0.91	42.36	637	261.11	0.64	39.85	77.92	2.37	15.66
South Carolina	577	181.88	1.95	8.93	618	211.41	0.60	57.58	645	231.07	0.53	44.32	661	257.36	0.75	36.22	75.48	2.09	11.73
Tennessee	557	179.45	1.81	14.79	631	211.69	0.56	41.28	653	231.47	0.64	49.93	647	256.75	0.93	48.02	77.30	2.03	23.12
Texas	517	200.22	1.15	19.87	552	225.59	0.39	42.16	557	241.68	0.38	62.00	545	263.40	0.63	32.56	63.17	1.31	31.70
Utah	595	190.02	1.52	40.28	666	219.98	0.53	40.27	689	238.20	0.61	52.39	689	260.97	0.58	49.48	70.96	1.63	52.01
Vermont	274	194.59	2.06	18.70	303	223.18	1.01	27.89	291	242.29	0.87	35.89	297	266.58	1.08	17.46	71.99	2.33	28.16
Virginia	594	195.98	1.09	12.65	614	222.39	0.52	37.99	615	239.80	0.42	37.15	616	263.52	0.95	25.68	67.54	1.44	30.59
West Virginia	582	192.07	1.16	33.55	614	217.49	0.58	62.00	616	233.96	0.55	55.64	619	255.98	1.16	15.74	63.90	1.64	42.81
Wyoming	403	194.26	1.67	25.10	439	222.10	0.91	34.92	444	239.17	0.66	40.63	453	261.61	1.00	19.29	67.36	1.95	39.67
American Samoa	114	120.46	5.75	52.36	116	146.13	6.15	34.49	115	165.93	3.69	62.00	114	194.51	4.10	45.95	74.05	7.06	91.97
Dist. Of Columbia	540	158.03	2.31	25.00	574	182.45	1.64	57.17	576	199.59	0.86	42.63	607	233.20	1.37	29.12	75.17	2.68	41.28
DoDEA/DDESS	321	193.84	1.04	27.14	336	220.61	2.00	36.53	337	236.87	0.91	40.23	340	260.74	1.16	31.81	66.90	1.55	58.91
DoDEA/DoDDS	667	194.37	0.96	49.63	701	219.99	1.00	45.42	701	236.66	0.81	50.46	717	259.21	0.71	48.42	64.84	1.19	91.14
Guam	219	144.15	2.93	39.08	258	173.83	3.06	15.87	265	195.57	1.63	24.46	270	223.70	1.61	12.09	79.55	3.34	51.16
Virgin Islands	184	152.52	4.23	45.18	191	174.68	2.12	37.76	185	190.50	3.20	30.74	191	214.06	3.89	28.67	61.53	5.75	72.34

NAEP 1992 Grade 4 National and State Math Assessment: Average Scale Scores of Public School Students in Each of the Four Performance Quartiles

	Quartile 1				Quartile 2				Quartile 3				Quartile 4				Quartile 4-Quartile 1		
	N	Mean	SE	DF	N	Mean	SE	DF	N	Mean	SE	DF	N	Mean	SE	DF	Mean	Pooled SE	Pooled DF
Nation	1679	178.60	0.68	50.24	1466	209.06	0.42	37.03	1315	229.98	0.50	37.15	1181	256.75	0.65	33.76	78.15	0.94	82.04
Alabama	661	170.41	0.67	43.84	646	197.61	0.62	53.18	649	218.43	0.71	35.97	649	246.90	0.97	19.11	76.50	1.18	38.18
Arizona	679	177.44	1.04	17.96	685	205.86	0.67	30.05	688	226.38	0.48	46.24	689	251.31	0.72	50.37	73.87	1.26	36.10
Arkansas	654	172.65	0.79	32.69	662	201.28	0.92	61.15	649	220.70	0.59	56.10	656	246.11	0.83	16.96	73.46	1.14	43.20
California	625	162.83	1.30	22.56	598	198.43	0.75	62.00	594	221.13	0.58	32.81	595	251.12	1.11	12.24	88.29	1.71	34.10
Colorado	731	183.19	0.83	49.60	721	212.37	0.43	58.98	730	231.57	0.72	49.06	724	256.83	0.66	37.39	73.64	1.06	86.30
Connecticut	682	187.90	1.18	17.56	644	217.86	0.58	31.24	632	237.88	0.53	29.66	642	263.55	0.84	30.43	75.65	1.45	34.75
Delaware	495	179.68	1.08	22.91	532	207.12	0.84	17.32	532	228.19	0.64	17.62	481	256.65	0.85	18.32	76.97	1.37	40.58
Florida	728	174.12	1.38	14.25	723	204.62	0.89	62.00	692	224.27	0.49	42.62	685	251.68	1.04	18.03	77.57	1.73	27.96
Georgia	688	176.11	0.95	24.97	684	205.28	0.67	42.10	695	226.57	0.54	20.13	699	254.34	0.79	20.45	78.23	1.23	45.13
Hawaii	651	172.50	1.20	24.64	653	204.16	0.71	56.52	658	225.86	0.66	47.60	663	253.66	0.79	47.06	81.16	1.44	46.37
Idaho	696	187.49	0.92	32.11	703	214.19	0.83	38.96	697	231.29	0.53	42.03	688	253.47	0.86	49.70	65.98	1.26	75.38
Indiana	644	187.92	0.86	33.64	647	211.61	0.41	62.00	648	229.94	0.52	44.63	654	254.53	0.64	44.92	66.61	1.07	65.58
Iowa	699	194.02	0.94	40.59	689	222.30	0.54	54.48	689	239.98	0.47	43.95	693	263.38	0.81	39.74	69.36	1.24	78.78
Kentucky	675	180.71	1.06	53.19	673	205.04	0.55	46.44	678	223.78	0.51	44.35	677	250.81	0.99	13.42	70.09	1.45	46.70
Louisiana	708	165.55	2.05	6.72	714	194.00	0.67	49.24	696	214.41	0.81	46.28	674	242.49	0.75	15.79	76.95	2.18	8.60
Maine	477	197.82	0.94	26.37	487	223.96	0.54	48.90	471	241.31	0.98	29.25	463	263.43	0.81	19.17	65.61	1.24	45.54
Maryland	681	174.36	1.27	15.83	717	206.55	0.59	40.26	718	229.55	0.48	62.00	728	258.85	0.76	52.60	84.49	1.48	28.20
Massachusetts	669	188.38	1.10	35.58	615	218.68	0.65	40.31	635	237.43	0.58	50.89	630	262.09	0.83	22.88	73.71	1.38	58.25
Michigan	632	179.12	1.64	19.85	607	211.96	0.61	41.61	589	231.66	0.56	34.54	584	256.87	0.91	14.15	77.76	1.87	30.07
Minnesota	634	190.23	1.07	26.14	658	221.11	0.60	30.59	672	239.39	0.59	33.75	676	263.20	0.57	30.38	72.97	1.21	40.38
Mississippi	661	164.63	0.93	16.77	686	191.19	0.56	57.10	673	211.86	0.54	62.00	692	239.75	0.75	27.52	75.13	1.20	36.24
Missouri	637	186.03	1.27	19.27	632	213.54	0.59	49.83	620	231.97	0.58	43.30	620	257.37	0.68	51.76	71.34	1.44	30.81
Nebraska	586	187.78	0.95	58.27	579	217.17	0.75	26.35	590	235.98	0.57	47.12	572	260.33	0.92	26.08	72.55	1.32	73.91
New Hampshire	571	195.64	0.80	32.62	570	221.39	0.70	13.83	569	239.29	0.51	49.77	555	262.58	1.00	38.35	66.94	1.28	69.48
New Jersey	608	188.71	1.48	25.60	562	218.66	0.82	32.28	539	238.49	0.55	19.20	522	262.67	1.11	19.43	73.96	1.85	44.09
New Mexico	579	177.94	0.83	27.43	592	204.02	0.89	19.26	580	222.49	0.65	54.47	591	248.95	0.80	22.05	71.01	1.15	49.18
New York	558	178.35	1.42	10.09	571	209.38	0.67	55.68	582	229.70	0.47	46.03	573	256.42	1.01	33.19	78.06	1.74	21.06
North Carolina	713	173.01	0.84	34.04	723	202.48	0.58	53.31	723	224.45	0.52	54.65	725	251.63	0.80	39.49	78.62	1.16	72.45
North Dakota	542	196.74	0.97	60.17	541	221.28	0.75	55.79	556	237.38	0.67	46.88	554	259.22	0.70	53.82	62.48	1.20	106.98
Ohio	673	181.42	1.40	16.35	658	209.18	0.54	25.02	648	228.61	0.46	47.19	658	255.61	0.64	35.12	74.18	1.54	23.35
Oklahoma	559	188.47	0.79	25.19	565	212.03	0.87	32.51	565	228.55	0.59	56.61	565	252.26	0.98	35.13	63.79	1.26	60.19
Pennsylvania	738	186.02	1.07	19.51	677	215.78	0.69	42.50	657	235.46	0.66	29.82	668	260.09	0.78	23.56	74.07	1.33	36.94
Rhode Island	603	176.68	1.33	22.79	591	206.79	0.61	49.86	594	226.16	0.76	7.93	602	252.16	0.82	17.17	75.48	1.56	36.47
South Carolina	702	175.64	0.89	23.90	698	201.40	0.56	62.00	696	221.91	0.75	48.37	675	251.11	0.94	27.21	75.47	1.29	51.10
Tennessee	681	174.07	1.21	40.01	682	201.53	0.69	48.48	670	221.23	0.56	42.36	675	246.87	0.77	40.68	72.80	1.44	67.89
Texas	679	180.71	1.35	19.52	682	208.86	0.44	35.96	646	227.80	0.50	39.13	636	254.24	0.83	26.14	73.54	1.58	33.45
Utah	701	188.83	1.06	34.79	695	216.20	0.67	50.60	695	233.51	0.59	26.55	708	257.53	0.57	31.28	68.70	1.20	53.27
Virginia	691	182.13	1.17	45.86	696	210.42	0.48	60.52	704	230.92	0.55	56.63	695	259.56	1.09	9.31	77.43	1.60	33.78
West Virginia	700	180.07	0.86	41.87	699	205.62	0.61	62.00	698	224.35	0.51	62.00	689	250.94	0.72	32.23	70.87	1.12	73.97
Wisconsin	710	192.68	1.19	16.00	690	221.18	0.43	54.46	701	238.87	0.55	62.00	679	262.08	0.79	19.01	69.40	1.43	28.61
Wyoming	651	193.07	0.84	44.86	647	218.19	0.54	52.76	663	234.13	0.79	58.02	644	256.26	0.56	45.42	63.19	1.02	78.44
Dist. Of Columbia	600	157.24	0.87	47.03	599	180.50	0.90	62.00	596	199.57	0.88	36.01	604	233.15	0.93	29.03	75.92	1.27	69.63
Guam	483	152.72	1.05	40.48	482	181.86	0.75	33.65	481	202.72	0.86	52.41	487	233.95	1.15	27.72	81.23	1.56	63.15

NAEP GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:
Change in Average Scale Score Gap for the First Performance Quartile from 1992-2000

	2000 Q1			1992 Q1			2000-1992		
	Mean	SE	DF	Mean	SE	DF	Difference	Sig FDR?	Sig T-test?
Nation	186.29	0.74	28.19	178.60	0.68	50.24	7.68	n/a	>
Alabama	181.81	1.30	12.61	170.41	0.67	43.84	11.41	>	>
Arizona	178.34	1.11	26.98	177.44	1.04	17.96	0.90		
Arkansas	180.39	1.12	38.32	172.65	0.79	32.69	7.74	>	>
California	171.04	1.30	25.72	162.83	1.30	22.56	8.21	>	>
Connecticut	198.15	1.33	16.30	187.90	1.18	17.56	10.25	>	>
Georgia	181.47	1.13	32.27	176.11	0.95	24.97	5.36	>	>
Hawaii	177.00	1.36	9.18	172.50	1.20	24.64	4.50	>	>
Idaho	191.16	2.08	16.45	187.49	0.92	32.11	3.67		
Indiana	200.40	1.13	18.82	187.92	0.86	33.64	12.48	>	>
Iowa	200.89	1.49	19.13	194.02	0.94	40.59	6.87	>	>
Kentucky	184.66	1.20	44.79	180.71	1.06	53.19	3.95	>	>
Louisiana	182.85	1.41	10.25	165.55	2.05	6.72	17.30	>	>
Maine	198.37	1.28	23.25	197.82	0.94	26.37	0.55		
Maryland	180.47	1.33	9.57	174.36	1.27	15.83	6.12	>	>
Massachusetts	197.99	1.47	9.38	188.38	1.10	35.58	9.61	>	>
Michigan	190.92	1.21	34.31	179.12	1.64	19.85	11.80	>	>
Minnesota	198.50	1.57	19.61	190.23	1.07	26.14	8.27	>	>
Mississippi	177.61	1.26	19.87	164.63	0.93	16.77	12.99	>	>
Missouri	193.10	1.27	31.06	186.03	1.27	19.27	7.08	>	>
Nebraska	185.77	1.52	33.34	187.78	0.95	58.27	-2.01		
New Mexico	176.31	2.06	7.41	177.94	0.83	27.43	-1.63		
New York	192.07	1.04	26.69	178.35	1.42	10.09	13.71	>	>
North Carolina	199.26	1.15	22.88	173.01	0.84	34.04	26.25	>	>
North Dakota	197.65	1.58	32.60	196.74	0.97	60.17	0.92		
Ohio	196.36	0.78	24.55	181.42	1.40	16.35	14.94	>	>
Oklahoma	194.42	2.01	4.50	188.47	0.79	25.19	5.95	>	>
Rhode Island	183.19	2.28	13.46	176.68	1.33	22.79	6.51	>	>
South Carolina	181.88	1.95	8.93	175.64	0.89	23.90	6.24	>	>
Tennessee	179.45	1.81	14.79	174.07	1.21	40.01	5.38	>	>
Texas	200.22	1.15	19.87	180.71	1.35	19.52	19.52	>	>
Utah	190.02	1.52	40.28	188.83	1.06	34.79	1.19		
Virginia	195.98	1.09	12.65	182.13	1.17	45.86	13.85	>	>
West Virginia	192.07	1.16	33.55	180.07	0.86	41.87	12.00	>	>
Wyoming	194.26	1.67	25.10	193.07	0.84	44.86	1.18		
Dist. Of Columbia	158.03	2.31	25.00	157.24	0.87	47.03	0.79		
Guam	144.15	2.93	39.08	152.72	1.05	40.48	-8.57	<	<

2000-1992 Differences in Q1 (Bottom Quartile)

NAEP GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:
Change in Average Scale Score Gap for the Fourth Performance Quartile from 1992-2000

	2000 Q4			1992 Q4			2000 - 1992		
	Mean	SE	DF	Mean	SE	DF	Difference	Sig FDR?	Sig T-test?
Nation	263.11	0.58	22.80	256.75	0.65	33.76	6.36	n/a	>
Alabama	252.70	0.80	31.98	246.90	0.97	19.11	5.79	>	>
Arizona	256.11	1.19	15.97	251.31	0.72	50.37	4.80	>	>
Arkansas	251.67	0.59	31.62	246.11	0.83	16.96	5.56	>	>
California	252.93	0.90	21.55	251.12	1.11	12.24	1.81		
Connecticut	267.16	0.69	28.06	263.55	0.84	30.43	3.61	>	>
Georgia	256.93	0.78	30.91	254.34	0.79	20.45	2.59	>	>
Hawaii	252.06	0.67	27.43	253.66	0.79	47.06	-1.60		
Idaho	258.51	0.85	45.32	253.47	0.86	49.70	5.04	>	>
Indiana	265.62	0.94	24.27	254.53	0.64	44.92	11.09	>	>
Iowa	262.83	0.90	37.03	263.38	0.81	39.74	-0.55		
Kentucky	255.78	0.67	34.01	250.81	0.99	13.42	4.97	>	>
Louisiana	251.84	0.70	22.61	242.49	0.75	15.79	9.35	>	>
Maine	262.05	0.68	51.72	263.43	0.81	19.17	-1.38		
Maryland	261.69	0.96	15.92	258.85	0.76	52.60	2.84	>	>
Massachusetts	266.82	0.66	40.02	262.09	0.83	22.88	4.73	>	>
Michigan	266.37	1.04	12.59	256.87	0.91	14.15	9.49	>	>
Minnesota	268.23	0.81	6.37	263.20	0.57	30.38	5.02	>	>
Mississippi	245.59	0.96	22.77	239.75	0.75	27.52	5.84	>	>
Missouri	260.62	0.90	13.68	257.37	0.68	51.76	3.25	>	>
Nebraska	262.04	0.90	40.64	260.33	0.92	26.08	1.70		
New Mexico	249.98	1.11	12.24	248.95	0.80	22.05	1.03		
New York	260.35	0.86	22.22	256.42	1.01	33.19	3.93	>	>
North Carolina	265.03	0.76	28.44	251.63	0.80	39.49	13.41	>	>
North Dakota	261.91	0.73	31.37	259.22	0.70	53.82	2.69	>	>
Ohio	263.26	0.89	8.37	255.61	0.64	35.12	7.65	>	>
Oklahoma	253.43	0.65	42.57	252.26	0.98	35.13	1.17		
Rhode Island	261.11	0.64	39.85	252.16	0.82	17.17	8.95	>	>
South Carolina	257.36	0.75	36.22	251.11	0.94	27.21	6.26	>	>
Tennessee	256.75	0.93	48.02	246.87	0.77	40.68	9.89	>	>
Texas	263.40	0.63	32.56	254.24	0.83	26.14	9.15	>	>
Utah	260.97	0.58	49.48	257.53	0.57	31.28	3.44	>	>
Virginia	263.52	0.95	25.68	259.56	1.09	9.31	3.96	>	>
West Virginia	255.98	1.16	15.74	250.94	0.72	32.23	5.04	>	>
Wyoming	261.61	1.00	19.29	256.26	0.56	45.42	5.35	>	>
Dist. Of Columbia	233.20	1.37	29.12	233.15	0.93	29.03	0.05		
Guam	223.70	1.61	12.09	233.95	1.15	27.72	-10.25	<	<

2000-1992 Differences in Q1 (Bottom Quartile)

NAEP GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:
Upper and Lower Performance Quartiles from 1992 to 2000

	2000			1992			2000 - 1992 Change in Gap		
	Mean	Pooled SE	Pooled DF	Mean	Pooled SE	Pooled DF	Difference	Sig FDR?	Sig T-test?
Nation	76.82	0.94	50.03	78.15	0.94	82.04	-1.33	n/a	
Alabama	70.88	1.53	22.59	76.50	1.18	38.18	-5.61	<	<
Arizona	77.77	1.63	38.69	73.87	1.26	36.10	3.90		
Arkansas	71.28	1.27	57.09	73.46	1.14	43.20	-2.18		
California	81.89	1.58	44.13	88.29	1.71	34.10	-6.40	<	<
Connecticut	69.01	1.50	25.12	75.65	1.45	34.75	-6.65	<	<
Georgia	75.46	1.37	56.91	78.23	1.23	45.13	-2.77		
Hawaii	75.06	1.52	13.89	81.16	1.44	46.37	-6.10	<	<
Idaho	67.35	2.24	22.14	65.98	1.26	75.38	1.36		
Indiana	65.23	1.47	39.22	66.61	1.07	65.58	-1.38		
Iowa	61.94	1.74	33.35	69.36	1.24	78.78	-7.42	<	<
Kentucky	71.12	1.37	68.57	70.09	1.45	46.70	1.02		
Louisiana	68.99	1.58	15.50	76.95	2.18	8.60	-7.96	<	<
Maine	63.68	1.45	36.74	65.61	1.24	45.54	-1.93		
Maryland	81.22	1.63	19.02	84.49	1.48	28.20	-3.28		
Massachusetts	68.82	1.61	13.44	73.71	1.38	58.25	-4.89	<	<
Michigan	75.45	1.59	41.85	77.76	1.87	30.07	-2.31		
Minnesota	69.72	1.76	25.81	72.97	1.21	40.38	-3.25		
Mississippi	67.98	1.58	38.37	75.13	1.20	36.24	-7.15	<	<
Missouri	67.52	1.55	44.57	71.34	1.44	30.81	-3.83		
Nebraska	76.27	1.77	55.43	72.55	1.32	73.91	3.71		
New Mexico	73.67	2.34	11.70	71.01	1.15	49.18	2.66		
New York	68.28	1.35	48.48	78.06	1.74	21.06	-9.78	<	<
North Carolina	65.78	1.38	41.07	78.62	1.16	72.45	-12.85	<	<
North Dakota	64.25	1.74	45.84	62.48	1.20	106.98	1.77		
Ohio	66.90	1.19	21.66	74.18	1.54	23.35	-7.29	<	<
Oklahoma	59.02	2.12	5.49	63.79	1.26	60.19	-4.77		
Rhode Island	77.92	2.37	15.66	75.48	1.56	36.47	2.44		
South Carolina	75.48	2.09	11.73	75.47	1.29	51.10	0.02		
Tennessee	77.30	2.03	23.12	72.80	1.44	67.89	4.51		
Texas	63.17	1.31	31.70	73.54	1.58	33.45	-10.37	<	<
Utah	70.96	1.63	52.01	68.70	1.20	53.27	2.25		
Virginia	67.54	1.44	30.59	77.43	1.60	33.78	-9.89	<	<
West Virginia	63.90	1.64	42.81	70.87	1.12	73.97	-6.97	<	<
Wyoming	67.36	1.95	39.67	63.19	1.02	78.44	4.17		
Dist. Of Columbia	75.17	2.68	41.28	75.92	1.27	69.63	-0.74		
Guam	79.55	3.34	51.16	81.23	1.56	63.15	-1.68		

2000-1992 Gap Differences

NAEP GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:
Significant Test Calculation for Change in Average Scale Score Gap for the First Performance Quartile from 1992 to 2000

2000 Q1				1992 Q1				Pooled		T- Test			Test #	Multiplicative factor	Adjusted Alpha	SIG_FDR
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig				
Nation	186.29	0.74	28.19	Nation	178.60	0.68	50.24	1.01	68.03	7.6364	0.0000	YES >				
Alabama	181.81	1.30	12.61	Alabama	170.41	0.67	43.84	1.47	19.88	7.7792	0.0000	YES >	9	0.2727	0.0136	SIG_FDR >
Arizona	178.34	1.11	26.98	Arizona	177.44	1.04	17.96	1.52	44.11	0.5943	0.5554		33	1.0000	0.0500	
Arkansas	180.39	1.12	38.32	Arkansas	172.65	0.79	32.69	1.37	66.40	5.6359	0.0000	YES >	10	0.3030	0.0152	SIG_FDR >
California	171.04	1.30	25.72	California	162.83	1.30	22.56	1.84	48.08	4.4703	0.0000	YES >	15	0.4545	0.0227	SIG_FDR >
Connecticut	198.15	1.33	16.30	Connecticut	187.90	1.18	17.56	1.78	33.07	5.7661	0.0000	YES >	12	0.3636	0.0182	SIG_FDR >
Georgia	181.47	1.13	32.27	Georgia	176.11	0.95	24.97	1.47	57.10	3.6374	0.0006	YES >	19	0.5758	0.0288	SIG_FDR >
Hawaii	177.00	1.36	9.18	Hawaii	172.50	1.20	24.64	1.81	23.65	2.4852	0.0207	YES >	25	0.7576	0.0379	SIG_FDR >
Idaho	191.16	2.08	16.45	Idaho	187.49	0.92	32.11	2.27	23.07	1.6169	0.1195		28	0.8485	0.0424	
Indiana	200.40	1.13	18.82	Indiana	187.92	0.86	33.64	1.42	39.56	6.7669	0.0000	YES >	5	0.1515	0.0076	SIG_FDR >
Iowa	200.89	1.49	19.13	Iowa	194.02	0.94	40.59	1.76	34.79	3.8956	0.0004	YES >	18	0.5455	0.0273	SIG_FDR >
Kentucky	184.66	1.20	44.79	Kentucky	180.71	1.06	53.19	1.60	94.02	2.4708	0.0153	YES >	23	0.6970	0.0348	SIG_FDR >
Louisiana	182.85	1.41	10.25	Louisiana	165.55	2.05	6.72	2.49	12.76	6.9553	0.0000	YES >	13	0.3939	0.0197	SIG_FDR >
Maine	198.37	1.28	23.25	Maine	197.82	0.94	26.37	1.59	43.69	0.3450	0.7318		35	1.0606	0.0530	
Maryland	180.47	1.33	9.57	Maryland	174.36	1.27	15.83	1.84	23.34	3.3299	0.0029	YES >	20	0.6061	0.0303	SIG_FDR >
Massachusetts	197.99	1.47	9.38	Massachusetts	188.38	1.10	35.56	1.84	21.24	5.2380	0.0000	YES >	14	0.4242	0.0212	SIG_FDR >
Michigan	190.92	1.21	34.31	Michigan	179.12	1.64	19.85	2.04	40.57	5.7987	0.0000	YES >	11	0.3333	0.0167	SIG_FDR >
Minnesota	198.50	1.57	19.61	Minnesota	190.23	1.07	26.14	1.89	36.15	4.3694	0.0001	YES >	16	0.4848	0.0242	SIG_FDR >
Mississippi	177.61	1.26	19.87	Mississippi	164.63	0.93	16.77	1.57	35.12	8.2872	0.0000	YES >	7	0.2121	0.0106	SIG_FDR >
Missouri	193.10	1.27	31.06	Missouri	186.03	1.27	19.27	1.79	47.47	3.9471	0.0003	YES >	17	0.5152	0.0258	SIG_FDR >
Nebraska	185.77	1.52	33.34	Nebraska	187.78	0.95	58.27	1.79	59.40	-1.1237	0.2657		29	0.8788	0.0439	
New Mexico	176.31	2.06	7.41	New Mexico	177.94	0.83	27.43	2.22	9.93	-0.7338	0.4817		30	0.9091	0.0455	
New York	192.07	1.04	26.69	New York	178.35	1.42	10.09	1.76	21.43	7.7775	0.0000	YES >	8	0.2424	0.0121	SIG_FDR >
North Carolina	199.26	1.15	22.88	North Carolina	173.01	0.84	34.04	1.42	45.10	18.4871	0.0000	YES >	1	0.0303	0.0015	SIG_FDR >
North Dakota	197.65	1.58	32.60	North Dakota	196.74	0.97	60.17	1.85	57.39	0.4952	0.6224		34	1.0303	0.0515	
Ohio	196.36	0.78	24.55	Ohio	181.42	1.40	16.35	1.60	26.33	9.3174	0.0000	YES >	6	0.1818	0.0091	SIG_FDR >
Oklahoma	194.42	2.01	4.50	Oklahoma	188.47	0.79	25.19	2.16	5.99	2.7472	0.0404	YES >	27	0.8182	0.0409	SIG_FDR >
Rhode Island	183.19	2.28	13.46	Rhode Island	176.68	1.33	22.79	2.64	22.55	2.4660	0.0219	YES >	26	0.7879	0.0394	SIG_FDR >
South Carolina	181.88	1.95	8.93	South Carolina	175.64	0.89	23.90	2.14	12.82	2.9114	0.0130	YES >	22	0.6667	0.0333	SIG_FDR >
Tennessee	179.45	1.81	14.79	Tennessee	174.07	1.21	40.01	2.17	28.96	2.4730	0.0197	YES >	24	0.7273	0.0364	SIG_FDR >
Texas	200.22	1.15	19.87	Texas	180.71	1.35	19.52	1.77	38.33	11.0094	0.0000	YES >	2	0.0606	0.0030	SIG_FDR >
Utah	190.02	1.52	40.28	Utah	188.83	1.06	34.79	1.85	69.71	0.6432	0.5222		31	0.9394	0.0470	
Virginia	195.98	1.09	12.65	Virginia	182.13	1.17	45.86	1.60	43.02	8.6832	0.0000	YES >	4	0.1212	0.0061	SIG_FDR >
West Virginia	192.07	1.16	33.55	West Virginia	180.07	0.86	41.87	1.44	64.80	8.3435	0.0000	YES >	3	0.0909	0.0045	SIG_FDR >
Wyoming	194.26	1.67	25.10	Wyoming	193.07	0.84	44.86	1.87	38.13	0.6313	0.5316		32	0.9697	0.0485	
Dist. Of Columbia	158.03	2.31	25.00	Dist. Of Columbia	157.24	0.87	47.03	2.47	32.32	0.3214	0.7500		36	1.0909	0.0545	
Guam	144.15	2.93	39.08	Guam	152.72	1.05	40.48	3.11	49.02	-2.7563	0.0082	YES <	21	0.6364	0.0318	SIG_FDR <

2000-1992 Differences in Q1 (Bottom Quartile)

NAEP GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:

Significant Test Calculation for Change in Average Scale Score Gap for the Fourth Performance Quartile from 1992 to 2000

2000 Q4				1992 Q4				Pooled		T- Test			Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	263.11	0.58	22.80	Nation	256.75	0.65	33.76	0.87	56.15	7.3082	0.0000	YES >	[redacted]			
Alabama	252.70	0.80	31.98	Alabama	246.90	0.97	19.11	1.26	42.15	4.6120	0.0000	YES >	13	0.5909	0.0295	SIG_FDR >
Arizona	256.11	1.19	15.97	Arizona	251.31	0.72	50.37	1.39	28.52	3.4669	0.0017	YES >	22	1.0000	0.0500	SIG_FDR >
Arkansas	251.67	0.59	31.62	Arkansas	246.11	0.83	16.96	1.02	33.89	5.4657	0.0000	YES >	10	0.4545	0.0227	SIG_FDR >
California	252.93	0.90	21.55	California	251.12	1.11	12.24	1.42	27.02	1.2737	0.2136		32	1.4545	0.0727	
Connecticut	267.16	0.69	28.06	Connecticut	263.55	0.84	30.43	1.09	57.03	3.3208	0.0016	YES >	21	0.9545	0.0477	SIG_FDR >
Georgia	256.93	0.78	30.91	Georgia	254.34	0.79	20.45	1.11	48.99	2.3298	0.0241	YES >	27	1.2273	0.0614	SIG_FDR >
Hawaii	252.06	0.67	27.43	Hawaii	253.66	0.79	47.06	1.04	73.81	-1.5432	0.1271		29	1.3182	0.0659	
Idaho	258.51	0.85	45.32	Idaho	253.47	0.86	49.70	1.20	94.91	4.1832	0.0001	YES >	16	0.7273	0.0364	SIG_FDR >
Indiana	265.62	0.94	24.27	Indiana	254.53	0.64	44.92	1.13	46.35	9.7891	0.0000	YES >	2	0.0909	0.0045	SIG_FDR >
Iowa	262.83	0.90	37.03	Iowa	263.38	0.81	39.74	1.21	75.22	-0.4541	0.6510		35	1.5909	0.0795	
Kentucky	255.78	0.67	34.01	Kentucky	250.81	0.99	13.42	1.19	26.54	4.1655	0.0003	YES >	19	0.8636	0.0432	SIG_FDR >
Louisiana	251.84	0.70	22.61	Louisiana	242.49	0.75	15.79	1.03	36.12	9.0752	0.0000	YES >	5	0.2273	0.0114	SIG_FDR >
Maine	262.05	0.68	51.72	Maine	263.43	0.81	19.17	1.05	47.20	-1.3142	0.1952		31	1.4091	0.0705	
Maryland	261.69	0.96	15.92	Maryland	258.85	0.76	52.60	1.22	38.01	2.3213	0.0257	YES >	28	1.2727	0.0636	SIG_FDR >
Massachusetts	266.82	0.66	40.02	Massachusetts	262.09	0.83	22.88	1.06	49.52	4.4476	0.0000	YES >	14	0.6364	0.0318	SIG_FDR >
Michigan	266.37	1.04	12.59	Michigan	256.87	0.91	14.15	1.38	25.87	6.8706	0.0000	YES >	7	0.3182	0.0159	SIG_FDR >
Minnesota	268.23	0.81	6.37	Minnesota	263.20	0.57	30.38	0.99	13.59	5.0825	0.0002	YES >	18	0.8182	0.0409	SIG_FDR >
Mississippi	245.59	0.96	22.77	Mississippi	239.75	0.75	27.52	1.22	45.12	4.7884	0.0000	YES >	11	0.5000	0.0250	SIG_FDR >
Missouri	260.62	0.90	13.68	Missouri	257.37	0.68	51.76	1.12	31.03	2.8966	0.0069	YES >	24	1.0909	0.0545	SIG_FDR >
Nebraska	262.04	0.90	40.64	Nebraska	260.33	0.92	26.08	1.29	63.06	1.3225	0.1908		30	1.3636	0.0682	
New Mexico	249.98	1.11	12.24	New Mexico	248.95	0.80	22.05	1.37	24.72	0.7515	0.4596		34	1.5455	0.0773	
New York	260.35	0.86	22.22	New York	256.42	1.01	33.19	1.33	55.28	2.9684	0.0044	YES >	23	1.0455	0.0523	SIG_FDR >
North Carolina	265.03	0.76	28.44	North Carolina	251.63	0.80	39.49	1.10	67.00	12.1525	0.0000	YES >	1	0.0455	0.0023	SIG_FDR >
North Dakota	261.91	0.73	31.37	North Dakota	259.22	0.70	53.82	1.01	77.60	2.6575	0.0096	YES >	25	1.1364	0.0568	SIG_FDR >
Ohio	263.26	0.89	8.37	Ohio	255.61	0.64	35.12	1.10	17.95	6.9756	0.0000	YES >	8	0.3636	0.0182	SIG_FDR >
Oklahoma	253.43	0.65	42.57	Oklahoma	252.26	0.98	35.13	1.18	62.83	0.9927	0.3247		33	1.5000	0.0750	
Rhode Island	261.11	0.64	39.85	Rhode Island	252.16	0.82	17.17	1.04	38.64	8.5822	0.0000	YES >	6	0.2727	0.0136	SIG_FDR >
South Carolina	257.36	0.75	36.22	South Carolina	251.11	0.94	27.21	1.20	56.15	5.1974	0.0000	YES >	9	0.4091	0.0205	SIG_FDR >
Tennessee	256.75	0.93	48.02	Tennessee	246.87	0.77	40.68	1.20	87.79	8.2094	0.0000	YES >	3	0.1364	0.0068	SIG_FDR >
Texas	263.40	0.63	32.56	Texas	254.24	0.83	26.14	1.04	51.20	8.8173	0.0000	YES >	4	0.1818	0.0091	SIG_FDR >
Utah	260.97	0.58	49.48	Utah	257.53	0.57	31.28	0.82	77.04	4.2103	0.0001	YES >	17	0.7727	0.0386	SIG_FDR >
Virginia	263.52	0.95	25.68	Virginia	259.56	1.09	9.31	1.45	23.75	2.7360	0.0118	YES >	26	1.1818	0.0591	SIG_FDR >
West Virginia	255.98	1.16	15.74	West Virginia	250.94	0.72	32.23	1.36	28.19	3.6952	0.0009	YES >	20	0.9091	0.0455	SIG_FDR >
Wyoming	261.61	1.00	19.29	Wyoming	256.26	0.56	45.42	1.15	32.14	4.6568	0.0001	YES >	15	0.6818	0.0341	SIG_FDR >
Dist. Of Columbia	233.20	1.37	29.12	Dist. Of Columbia	233.15	0.93	29.03	1.65	51.16	0.0300	0.9761		36	1.6364	0.0818	
Guam	223.70	1.61	12.09	Guam	233.95	1.15	27.72	1.98	24.76	-5.1738	0.0000	YES <	12	0.5455	0.0273	SIG_FDR <

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NAEP GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:

Significant Test Calculation for Change in Average Scale Score Gap for the Upper and Lower Performance Quartiles from 1992 to 2000

2000 Gap (Q4-Q1)				1992 Gap (Q4-Q1)				Pooled		T- Test				Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	78.82	0.94	50.03	Nation	78.15	0.94	82.04	1.33	123.88	-0.9988	0.3199					
Alabama	70.88	1.53	22.59	Alabama	76.50	1.18	38.18	1.93	47.66	-2.9075	0.0055	YES <	10	0.6667	0.0333	SIG_FDR <
Arizona	77.77	1.63	38.69	Arizona	73.87	1.26	36.10	2.06	71.54	1.8936	0.0624		15	1.0000	0.0500	
Arkansas	71.28	1.27	57.09	Arkansas	73.46	1.14	43.20	1.71	100.17	-1.2767	0.2047		24	1.6000	0.0800	
California	81.89	1.58	44.13	California	88.29	1.71	34.10	2.32	75.02	-2.7520	0.0074	YES <	12	0.8000	0.0400	SIG_FDR <
Connecticut	69.01	1.50	25.12	Connecticut	75.65	1.45	34.75	2.08	57.69	-3.1896	0.0023	YES <	9	0.6000	0.0300	SIG_FDR <
Georgia	75.46	1.37	56.91	Georgia	78.23	1.23	45.13	1.85	102.03	-1.5025	0.1360		22	1.4667	0.0733	
Hawaii	75.06	1.52	13.89	Hawaii	81.16	1.44	46.37	2.09	40.32	-2.9235	0.0057	YES <	11	0.7333	0.0367	SIG_FDR <
Idaho	67.35	2.24	22.14	Idaho	65.98	1.26	75.38	2.57	37.13	0.5299	0.5993		32	2.1333	0.1067	
Indiana	65.23	1.47	39.22	Indiana	66.61	1.07	65.58	1.82	78.64	-0.7599	0.4496		31	2.0667	0.1033	
Iowa	61.94	1.74	33.35	Iowa	69.36	1.24	78.78	2.14	68.32	-3.4684	0.0009	YES <	8	0.5333	0.0267	SIG_FDR <
Kentucky	71.12	1.37	68.57	Kentucky	70.09	1.45	46.70	2.00	108.55	0.5120	0.6097		33	2.2000	0.1100	
Louisiana	68.99	1.58	15.50	Louisiana	76.95	2.18	8.60	2.69	17.33	-2.9551	0.0089	YES <	13	0.8667	0.0433	SIG_FDR <
Maine	63.68	1.45	36.74	Maine	65.61	1.24	45.54	1.91	76.73	-1.0131	0.3142		26	1.7333	0.0867	
Maryland	81.22	1.63	19.02	Maryland	84.49	1.48	28.20	2.21	43.40	-1.4841	0.1451		23	1.5333	0.0767	
Massachusetts	68.82	1.61	13.44	Massachusetts	73.71	1.38	58.25	2.12	36.13	-2.3039	0.0271	YES <	14	0.9333	0.0467	SIG_FDR <
Michigan	75.45	1.59	41.85	Michigan	77.76	1.87	30.07	2.46	64.94	-0.9395	0.3510		28	1.8667	0.0933	
Minnesota	69.72	1.76	25.81	Minnesota	72.97	1.21	40.38	2.14	48.88	-1.5213	0.1347		21	1.4000	0.0700	
Mississippi	67.98	1.58	38.37	Mississippi	75.13	1.20	36.24	1.99	70.40	-3.6024	0.0006	YES <	6	0.4000	0.0200	SIG_FDR <
Missouri	67.52	1.55	44.57	Missouri	71.34	1.44	30.81	2.12	74.48	-1.8082	0.0746		17	1.1333	0.0567	
Nebraska	76.27	1.77	55.43	Nebraska	72.55	1.32	73.91	2.21	109.24	1.6845	0.0949		20	1.3333	0.0667	
New Mexico	73.67	2.34	11.70	New Mexico	71.01	1.15	49.18	2.61	17.83	1.0187	0.3226		27	1.8000	0.0900	
New York	68.28	1.35	48.48	New York	78.06	1.74	21.06	2.21	46.70	-4.4338	0.0001	YES <	4	0.2667	0.0133	SIG_FDR <
North Carolina	65.78	1.38	41.07	North Carolina	78.62	1.16	72.45	1.80	93.13	-7.1437	0.0000	YES <	1	0.0667	0.0033	SIG_FDR <
North Dakota	64.25	1.74	45.84	North Dakota	62.48	1.20	106.98	2.11	90.83	0.8403	0.4030		30	2.0000	0.1000	
Ohio	66.90	1.19	21.66	Ohio	74.18	1.54	23.35	1.94	42.95	-3.7499	0.0005	YES <	5	0.3333	0.0167	SIG_FDR <
Oklahoma	59.02	2.12	5.49	Oklahoma	63.79	1.26	60.19	2.47	10.00	-1.9364	0.0816		19	1.2667	0.0633	
Rhode Island	77.92	2.37	15.66	Rhode Island	75.48	1.56	36.47	2.84	29.71	0.8588	0.3975		29	1.9333	0.0967	
South Carolina	75.48	2.09	11.73	South Carolina	75.47	1.29	51.10	2.46	21.69	0.0061	0.9952		36	2.4000	0.1200	
Tennessee	77.30	2.03	23.12	Tennessee	72.80	1.44	67.89	2.49	47.96	1.8140	0.0761		18	1.2000	0.0600	
Texas	63.17	1.31	31.70	Texas	73.54	1.58	33.45	2.05	63.52	-5.0455	0.0000	YES <	2	0.1333	0.0067	SIG_FDR <
Utah	70.96	1.63	52.01	Utah	68.70	1.20	53.27	2.02	96.24	1.1125	0.2687		25	1.6667	0.0833	
Virginia	67.54	1.44	30.59	Virginia	77.43	1.60	33.78	2.15	64.19	-4.5903	0.0000	YES <	3	0.2000	0.0100	SIG_FDR <
West Virginia	63.90	1.64	42.81	West Virginia	70.87	1.12	73.97	1.98	81.82	-3.5152	0.0007	YES <	7	0.4667	0.0233	SIG_FDR <
Wyoming	67.36	1.95	39.67	Wyoming	63.19	1.02	78.44	2.20	61.83	1.8963	0.0627		16	1.0667	0.0533	
Dist. Of Columbia	75.17	2.68	41.28	Dist. Of Columbia	75.92	1.27	69.63	2.97	60.17	-0.2503	0.8032		35	2.3333	0.1167	
Guam	79.55	3.34	51.16	Guam	81.23	1.56	63.15	3.69	73.07	-0.4560	0.6497		34	2.2667	0.1133	

2000-1992 Gap Differences

NAEP 2000 GRADE 4 NATIONAL AND STATE MATH ASSESSMENT: Percentages and Average Scale Scores for Whites and Minorities in Public Schools

	Total			White						Black/Hispanic						
	N	Mean	SE	N	Pct	SE	DF	Mean	SE	DF	N	Pct	SE	DF	Mean	SE	DF
Nation	7070	226.24	0.96	3684	64.11	0.39	61.53	234.71	1.14	31.92	2908	30.82	0.40	58.22	207.77	1.24	18.55
Northeast	1409	229.21	1.80	731	66.94	2.54	17.49	237.48	2.03	18.72	596	29.17	2.53	17.99	209.34	2.40	21.63
Southeast	2097	220.17	2.31	1075	57.03	3.14	26.60	231.40	2.44	13.64	941	40.20	3.06	27.44	204.83	2.63	4.91
Central	1350	230.68	1.53	897	77.96	1.78	37.22	236.00	1.80	15.63	395	19.00	1.71	34.73	209.22	2.35	26.93
West	2214	225.28	2.10	981	56.69	2.16	17.12	233.51	2.68	7.74	976	34.08	1.89	21.24	208.99	2.18	27.36
Alabama	2438	217.94	1.41	1325	53.92	2.58	24.94	229.23	1.45	31.11	1040	42.92	2.52	28.30	204.11	1.36	41.57
Arizona	2082	218.77	1.42	1147	52.27	2.04	62.00	231.34	1.35	27.87	714	36.00	1.79	59.98	204.81	1.88	59.86
Arkansas	2262	217.06	1.13	1447	64.47	2.10	49.46	225.30	1.14	24.56	725	31.29	2.02	56.81	199.83	1.59	34.05
California	1656	213.57	1.84	644	35.57	2.55	53.82	228.54	1.59	46.64	782	49.72	2.35	58.29	199.43	2.11	16.75
Connecticut	2499	234.24	1.16	1700	68.50	1.77	41.14	242.60	1.00	46.50	680	26.71	1.66	36.03	212.16	1.81	15.17
Georgia	2681	219.56	1.06	1335	49.00	1.34	50.62	232.10	1.45	30.55	1249	47.07	1.27	48.89	206.03	1.31	27.41
Hawaii	2439	215.85	1.15	446	17.12	1.22	41.07	225.20	2.05	27.24	393	16.16	0.95	55.78	205.05	1.71	42.44
Idaho	1699	226.89	1.21	1393	79.52	1.18	43.89	230.48	1.21	22.38	233	15.94	1.09	29.82	211.46	2.66	9.04
Illinois	1622	224.93	1.92	827	53.14	3.40	31.64	236.61	2.45	21.97	744	42.86	3.77	21.60	209.72	1.52	32.06
Indiana	1864	234.42	1.08	1559	81.79	2.03	19.27	238.00	1.18	46.11	240	14.33	1.92	13.49	217.65	2.01	28.72
Iowa	1909	232.90	1.27	1674	86.23	1.24	26.27	235.32	1.13	37.70	178	10.79	1.13	17.13	214.75	3.28	14.94
Kansas	1561	231.95	1.53	1173	75.23	2.15	22.75	237.68	1.53	43.11	315	20.19	2.16	18.95	212.48	2.90	10.66
Kentucky	2275	220.99	1.17	1871	81.88	1.26	51.65	224.74	1.17	45.89	348	15.56	1.24	44.87	201.90	1.99	46.68
Louisiana	2513	217.96	1.40	1263	50.31	2.39	58.29	230.02	1.34	32.71	1171	46.36	2.43	54.86	205.03	1.69	29.85
Maine	2132	230.57	0.92	1973	92.79	0.81	32.68	231.05	0.96	41.53	85	3.59	0.50	28.38	223.66	4.24	33.47
Maryland	2645	222.31	1.27	1332	50.20	1.61	52.58	237.10	1.39	34.61	1169	44.14	1.70	48.92	205.05	1.66	29.16
Massachusetts	2292	234.96	1.12	1747	75.72	1.54	40.36	241.11	0.98	59.35	417	18.63	1.52	28.00	210.86	1.96	7.63
Michigan	1903	230.89	1.43	1348	71.75	2.29	9.70	239.26	1.28	36.98	463	23.12	1.98	7.85	204.15	2.37	17.87
Minnesota	1822	235.27	1.32	1448	79.00	1.87	37.29	239.72	1.11	45.93	252	14.04	1.62	14.61	212.78	3.09	9.51
Mississippi	2831	210.97	1.07	1274	45.53	1.51	62.00	224.15	1.50	47.34	1489	51.92	1.59	62.00	199.32	1.01	47.06
Missouri	2330	228.55	1.19	1719	74.91	1.26	55.77	235.21	0.98	50.26	523	21.18	1.20	41.92	205.33	2.51	26.26
Montana	1123	229.81	1.81	869	77.24	2.23	18.13	233.54	1.79	18.54	121	10.27	1.14	31.47	219.74	3.60	18.07
Nebraska	1396	225.95	1.72	1073	75.26	2.47	35.86	231.90	1.27	27.47	244	18.81	2.13	30.32	204.30	3.22	20.40
Nevada	2529	220.27	1.18	1393	53.84	1.79	33.81	228.31	0.97	31.81	901	37.03	1.60	34.66	208.76	1.75	26.34
New Mexico	1933	213.87	1.48	733	36.37	1.95	49.42	226.81	1.76	33.93	1008	51.41	2.19	51.16	207.85	1.77	10.33
New York	1753	226.56	1.33	902	49.49	2.40	40.32	238.37	1.54	37.50	742	44.06	2.47	42.97	211.15	1.42	33.78
North Carolina	2413	232.46	1.00	1466	60.56	1.81	38.46	240.69	1.08	45.82	843	35.15	1.48	42.35	217.92	1.28	39.71
North Dakota	2456	230.89	0.86	2124	86.96	1.11	19.17	233.34	0.92	62.00	143	5.94	0.60	30.06	218.33	2.92	40.84
Ohio	1913	230.57	1.33	1417	73.93	1.92	32.33	236.44	1.35	26.33	421	22.00	1.89	33.22	211.13	1.62	39.32
Oklahoma	2302	225.04	1.26	1512	64.85	1.84	24.89	230.09	0.99	50.82	502	22.75	1.89	14.64	211.65	3.22	4.20
Oregon	1596	226.63	1.64	1215	75.99	1.41	53.99	230.50	1.56	48.31	245	15.79	1.30	37.74	206.25	2.90	24.88
Rhode Island	2447	224.63	1.22	1774	70.86	1.65	45.21	233.87	1.03	40.60	545	23.79	1.56	44.99	198.76	2.36	16.33
South Carolina	2501	220.42	1.39	1342	53.13	1.83	44.07	233.17	1.03	55.68	1093	44.23	1.84	40.90	204.93	1.80	15.74
Tennessee	2488	219.84	1.49	1774	71.70	1.82	46.18	227.25	1.34	36.84	658	25.99	1.65	53.71	200.00	2.88	12.84
Texas	2171	232.67	1.21	946	43.73	1.80	54.54	242.99	1.35	31.17	1118	51.08	1.77	59.41	222.77	1.45	20.96
Utah	2639	227.29	1.22	2143	79.38	1.35	40.20	232.35	1.03	44.27	365	14.95	1.05	41.64	206.20	2.41	28.61
Virginia	2439	230.39	1.27	1451	59.01	1.81	23.75	239.61	1.16	29.93	846	34.51	1.65	38.09	214.04	1.38	18.50
West Virginia	2431	224.85	1.20	2123	87.14	1.15	47.39	226.67	1.14	62.00	239	9.84	1.10	37.43	210.49	3.00	24.22
Wyoming	1739	229.25	1.30	1412	80.67	1.20	42.39	232.05	1.50	12.75	239	14.50	1.22	39.11	214.84	2.03	32.60
Dist. Of Columbia	2297	193.29	1.17	140	5.58	0.43	33.85	240.58	4.72	32.66	2074	90.53	0.58	33.02	190.56	0.82	57.54
DoDEA/DDESS	1334	228.02	1.18	608	45.65	1.25	21.75	236.72	1.66	19.68	590	44.14	1.15	42.21	218.81	1.48	39.73
DoDEA/DoDDS	2786	227.59	0.73	1281	45.80	1.15	57.08	235.09	1.17	44.50	948	34.08	0.94	61.64	216.07	0.96	43.10

2000_W/BH

NAEP 1992 GRADE 4 NATIONAL AND STATE MATH ASSESSMENT: Percentages and Average Scale Scores for Whites and Minorities in Public Schools

	Total			White						Black/Hispanic						
	N	Mean	SE	N	Pct	SE	DF	Mean	SE	DF	N	Pct	SE	DF	Mean	SE	DF
Nation	5641	218.58	0.80	3206	69.14	0.42	18.37	227.15	0.96	45.98	2082	26.45	0.41	16.93	195.43	1.11	34.63
Northeast	1007	223.63	2.07	614	71.34	2.92	24.41	233.06	2.31	17.51	343	25.44	2.87	23.00	197.11	2.62	9.01
Southeast	1733	210.00	1.83	979	61.17	2.50	19.88	220.04	2.16	6.06	691	36.20	2.60	19.83	192.78	1.92	14.80
Central	1213	223.16	2.10	818	80.42	1.82	16.01	228.96	1.74	10.70	346	17.13	1.76	19.37	195.88	3.45	3.77
West	1688	218.25	1.52	795	64.43	1.72	24.40	226.29	1.76	15.26	702	27.15	1.72	19.71	197.03	1.79	22.83
Alabama	2605	208.33	1.56	1552	61.02	2.53	39.79	219.02	1.51	37.42	972	35.77	2.37	37.29	189.10	1.14	38.94
Arizona	2741	215.25	1.07	1556	55.96	2.08	26.59	225.91	0.79	48.09	890	32.88	1.46	28.37	202.90	1.35	41.31
Arkansas	2621	210.21	0.89	1815	69.21	1.48	45.28	218.05	0.93	35.64	721	27.51	1.52	45.45	190.43	1.44	24.96
California	2412	208.40	1.56	1036	44.78	1.96	40.98	221.14	1.75	32.53	1023	41.41	1.94	56.21	190.63	1.57	38.14
Colorado	2906	221.02	0.97	1960	67.54	1.53	40.06	227.53	1.04	52.99	793	27.09	1.34	37.09	205.22	1.30	46.54
Connecticut	2600	226.80	1.13	1864	72.89	1.42	38.99	235.10	0.92	40.13	647	23.68	1.44	39.79	201.07	2.22	24.77
Delaware	2040	217.90	0.78	1360	65.88	1.13	27.94	227.18	0.84	33.13	611	30.79	0.93	23.33	197.84	1.46	16.57
Florida	2828	213.69	1.50	1645	57.91	2.16	34.43	224.24	1.32	23.34	1083	38.58	2.24	35.41	197.88	1.99	30.11
Georgia	2766	215.59	1.23	1583	55.68	2.22	37.50	228.75	1.18	44.29	1109	41.69	2.19	37.27	197.19	1.23	31.35
Hawaii	2625	214.06	1.31	541	20.70	1.64	24.30	219.35	1.71	44.47	402	15.02	0.92	32.14	199.35	2.06	51.13
Idaho	2784	221.56	0.96	2343	83.87	1.18	36.17	224.32	0.94	57.50	329	12.05	1.05	35.51	204.18	2.32	19.49
Indiana	2593	221.04	1.04	2120	82.09	1.52	35.48	224.87	0.91	43.56	405	15.34	1.42	26.07	200.76	1.82	25.23
Iowa	2770	229.88	1.02	2472	89.53	0.90	36.53	231.64	0.95	48.86	213	7.52	0.76	25.58	211.78	2.59	42.21
Kentucky	2703	215.05	1.01	2293	84.80	1.61	8.47	217.31	1.00	30.79	346	12.93	1.54	8.80	200.74	1.93	31.47
Louisiana	2792	204.14	1.46	1352	49.50	1.99	54.68	218.46	1.46	26.75	1355	47.58	1.92	51.24	188.75	1.68	29.75
Maine	1898	231.64	1.00	1727	90.93	0.69	33.28	232.57	1.03	20.98	110	5.70	0.54	37.02	217.12	3.62	29.58
Maryland	2844	217.32	1.28	1710	58.52	1.68	50.12	229.01	1.13	57.30	979	35.97	1.55	43.56	196.83	1.75	14.80
Massachusetts	2549	226.60	1.17	1974	79.16	1.62	49.24	231.81	1.00	49.97	441	15.51	1.38	45.85	200.51	2.28	43.13
Michigan	2412	219.88	1.71	1750	73.34	1.84	38.61	227.59	1.46	28.43	556	22.10	1.79	32.45	194.08	3.15	18.25
Minnesota	2640	228.49	0.90	2274	85.44	1.32	23.53	231.77	0.85	57.78	248	9.89	0.99	25.74	204.41	2.34	14.57
Mississippi	2712	201.83	1.08	1128	40.40	1.96	52.13	218.56	1.22	33.54	1537	57.91	1.90	51.49	189.85	1.18	30.48
Missouri	2509	222.22	1.19	1922	76.98	1.66	19.19	228.02	1.02	44.81	502	19.67	1.72	15.62	199.78	1.89	15.83
Nebraska	2327	225.33	1.23	1925	84.12	1.30	19.01	229.29	1.19	47.43	334	13.01	1.18	19.23	201.27	2.20	41.91
New Hampshire	2265	229.66	1.15	2008	88.92	1.20	7.48	231.12	1.11	38.81	147	6.41	0.64	54.03	215.66	2.71	39.08
New Jersey	2231	227.15	1.47	1407	65.77	2.17	53.50	236.69	1.24	38.53	693	28.08	1.98	40.21	202.74	2.18	21.18
New Mexico	2342	213.30	1.44	1015	43.93	2.36	25.71	224.87	1.41	26.83	1196	50.27	2.02	24.33	203.39	1.46	14.67
New York	2284	218.45	1.25	1387	59.32	2.23	32.98	228.62	1.34	25.02	762	34.57	2.42	33.28	199.33	1.90	15.64
North Carolina	2884	212.88	1.09	1782	61.53	1.75	27.93	223.44	1.08	52.45	991	34.41	1.40	43.74	194.58	1.44	29.42
North Dakota	2193	228.66	0.77	1987	91.14	1.01	35.62	230.02	0.73	41.41	93	4.31	0.64	22.92	213.08	3.29	20.68
Ohio	2637	218.71	1.18	2056	79.13	1.45	28.87	222.57	1.08	41.52	475	16.83	1.47	24.98	199.95	2.51	20.94
Oklahoma	2254	220.32	0.98	1643	72.90	1.50	47.47	224.64	1.01	36.47	364	16.28	1.25	46.84	205.20	1.88	27.55
Pennsylvania	2740	224.31	1.34	2039	76.94	1.59	38.39	231.06	1.18	40.77	607	19.64	1.68	34.87	198.23	2.01	20.15
Rhode Island	2390	215.45	1.53	1842	77.78	2.11	32.02	222.26	1.26	30.74	425	17.14	1.76	34.47	190.24	2.54	16.35
South Carolina	2771	212.50	1.08	1500	54.91	1.73	58.78	225.52	1.18	60.33	1213	43.07	1.70	53.79	195.96	1.02	37.73
Tennessee	2708	210.95	1.35	1850	69.06	2.11	25.83	218.13	1.14	39.91	789	28.30	2.02	23.41	192.77	1.87	16.64
Texas	2623	217.92	1.21	1225	48.93	1.79	53.47	229.03	1.61	30.89	1302	47.64	1.80	54.13	205.80	1.43	23.38
Utah	2799	224.04	0.97	2397	85.74	1.02	37.52	226.34	0.94	46.61	302	10.73	0.91	29.21	208.60	2.10	19.29
Virginia	2786	220.76	1.30	1876	67.28	1.38	37.25	228.64	1.50	37.40	774	27.95	1.44	37.53	200.43	1.55	49.51
West Virginia	2786	215.27	1.05	2516	90.19	0.89	29.57	216.36	1.02	38.31	201	7.26	0.79	17.41	203.96	2.71	26.11
Wisconsin	2780	228.69	1.07	2236	80.91	1.44	13.05	233.77	0.91	41.29	396	13.51	0.93	49.37	205.26	2.40	17.86
Wyoming	2605	225.38	0.93	2146	82.41	1.36	19.65	227.66	0.92	31.14	318	12.27	0.88	50.24	214.31	1.80	25.15
Dist. Of Columbia	2399	192.60	0.53	130	5.35	0.36	19.48	241.71	4.19	10.05	2196	91.63	0.49	41.98	189.39	0.56	62.00
Guam	1933	192.81	0.82	238	12.07	0.67	39.39	206.27	1.97	57.25	464	23.62	0.79	32.97	181.41	1.97	37.75

1992_W/BH

NAEP 2000 GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:
Gap in Average Scale Score between White and Black/Hispanic in Public School

	White			Black/Hispanic			White-Black/Hispanic				
	Mean	SE	DF	Mean	SE	DF	Mean	Pooled SE	Pooled DF	SIG_FDR	Sig T-test?
Nation	234.71	1.14	31.92	207.77	1.24	18.55	26.94	1.68	44.64	n/a	>
Northeast	237.48	2.03	18.72	209.34	2.40	21.63	28.15	3.14	40.00	>	>
Southeast	231.40	2.44	13.64	204.63	2.63	4.91	26.77	3.59	13.44	>	>
Central	236.00	1.80	15.63	209.22	2.35	26.93	26.78	2.97	42.56	>	>
West	233.51	2.68	7.74	208.99	2.18	27.36	24.52	3.46	19.03	>	>
Alabama	229.23	1.45	31.11	204.11	1.36	41.57	25.12	1.99	69.71	>	>
Arizona	231.34	1.35	27.87	204.81	1.88	59.86	26.53	2.31	87.54	>	>
Arkansas	225.30	1.14	24.56	199.83	1.59	34.05	25.47	1.96	57.08	>	>
California	228.54	1.59	46.64	199.43	2.11	16.75	29.11	2.64	37.04	>	>
Connecticut	242.60	1.00	46.50	212.16	1.81	15.17	30.44	2.06	25.04	>	>
Georgia	232.10	1.45	30.55	206.03	1.31	27.41	26.07	1.96	57.82	>	>
Hawaii	225.20	2.05	27.24	205.05	1.71	42.44	20.15	2.67	59.78	>	>
Idaho	230.48	1.21	22.38	211.46	2.66	9.04	19.02	2.92	12.97	>	>
Illinois	236.61	2.45	21.97	209.72	1.52	32.06	26.89	2.89	38.19	>	>
Indiana	238.00	1.18	46.11	217.65	2.01	28.72	20.35	2.33	48.58	>	>
Iowa	235.32	1.13	37.70	214.75	3.28	14.94	20.56	3.47	18.62	>	>
Kansas	237.68	1.53	43.11	212.48	2.90	10.66	25.20	3.28	17.13	>	>
Kentucky	224.74	1.17	45.89	201.90	1.99	46.68	22.84	2.31	75.17	>	>
Louisiana	230.02	1.34	32.71	205.03	1.69	29.85	24.99	2.15	58.19	>	>
Maine	231.05	0.96	41.53	223.66	4.24	33.47	7.39	4.34	36.89		
Maryland	237.10	1.39	34.61	205.05	1.66	29.16	32.06	2.16	59.71	>	>
Massachusetts	241.11	0.98	59.35	210.86	1.96	7.63	30.24	2.19	11.78	>	>
Michigan	239.26	1.28	36.98	204.15	2.37	17.87	35.11	2.69	28.65	>	>
Minnesota	239.72	1.11	45.93	212.78	3.09	9.51	26.94	3.28	12.06	>	>
Mississippi	224.15	1.50	47.34	199.32	1.01	47.06	24.83	1.81	83.16	>	>
Missouri	235.21	0.98	50.26	205.33	2.51	26.26	29.88	2.69	34.51	>	>
Montana	233.54	1.79	18.54	219.74	3.60	18.07	13.80	4.02	26.54	>	>
Nebraska	231.90	1.27	27.47	204.30	3.22	20.40	27.60	3.46	26.79	>	>
Nevada	228.31	0.97	31.81	208.76	1.75	26.34	19.55	2.00	41.78	>	>
New Mexico	226.81	1.76	33.93	207.85	1.77	10.33	18.95	2.50	31.39	>	>
New York	238.37	1.54	37.50	211.15	1.42	33.78	27.22	2.09	71.20	>	>
North Carolina	240.69	1.08	45.82	217.92	1.28	39.71	22.77	1.68	80.57	>	>
North Dakota	233.34	0.92	62.00	218.33	2.92	40.84	15.01	3.06	49.02	>	>
Ohio	236.44	1.35	26.33	211.13	1.62	39.32	25.31	2.11	65.62	>	>
Oklahoma	230.09	0.99	50.82	211.65	3.22	4.20	18.45	3.37	5.04	>	>
Oregon	230.50	1.56	48.31	206.25	2.90	24.88	24.24	3.30	39.63	>	>
Rhode Island	233.87	1.03	40.60	198.76	2.36	16.33	35.11	2.58	22.87	>	>
South Carolina	233.17	1.03	55.68	204.93	1.80	15.74	28.25	2.08	26.79	>	>
Tennessee	227.25	1.34	36.84	200.00	2.88	12.84	27.25	3.18	18.66	>	>
Texas	242.99	1.35	31.17	222.77	1.45	20.96	20.22	1.98	48.55	>	>
Utah	232.35	1.03	44.27	206.20	2.41	28.61	26.15	2.62	39.18	>	>
Virginia	239.61	1.16	29.93	214.04	1.38	18.50	25.56	1.81	41.19	>	>
West Virginia	226.67	1.14	62.00	210.49	3.00	24.22	16.17	3.21	31.42	>	>
Wyoming	232.05	1.50	12.75	214.84	2.03	32.60	17.21	2.52	44.20	>	>
Dist. Of Columbia	240.58	4.72	32.66	190.56	0.82	57.54	50.02	4.79	34.64	>	>
DoDEA/DDESS	236.72	1.66	19.68	218.81	1.48	39.73	17.91	2.22	48.33	>	>
DoDEA/DoDDS	235.09	1.17	44.50	216.07	0.96	43.10	19.03	1.51	85.05	>	>

2000_W/BH

NAEP 1992 GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:
Gap in Average Scale Score between White and Black/Hispanic in Public School

	White			Black/Hispanic			W-BH Gap				
	Mean	SE	DF	Mean	SE	DF	Mean	Pooled SE	Pooled DF	SIG_FDR	Sig T-test?
Nation	227.15	0.96	45.98	195.43	1.11	34.63	31.73	1.47	74.45	n/a	>
Northeast	233.06	2.31	17.51	197.11	2.62	9.01	35.95	3.49	21.70	>	>
Southeast	220.04	2.16	6.06	192.78	1.92	14.80	27.26	2.89	15.45	>	>
Central	228.96	1.74	10.70	195.88	3.45	3.77	33.08	3.86	5.80	>	>
West	226.29	1.76	15.26	197.03	1.79	22.83	29.26	2.51	36.79	>	>
Alabama	219.02	1.51	37.42	189.10	1.14	38.94	29.92	1.90	70.28	>	>
Arizona	225.91	0.79	48.09	202.90	1.35	41.31	23.01	1.56	67.39	>	>
Arkansas	218.05	0.93	35.64	190.43	1.44	24.96	27.62	1.72	44.74	>	>
California	221.14	1.75	32.53	190.63	1.57	38.14	30.51	2.35	68.26	>	>
Colorado	227.53	1.04	52.99	205.22	1.30	46.54	22.31	1.66	92.22	>	>
Connecticut	235.10	0.92	40.13	201.07	2.22	24.77	34.02	2.41	33.35	>	>
Delaware	227.18	0.84	33.13	197.84	1.46	16.57	29.35	1.69	27.90	>	>
Florida	224.24	1.32	23.34	197.88	1.99	30.11	26.36	2.39	49.99	>	>
Georgia	228.75	1.18	44.29	197.19	1.23	31.35	31.56	1.70	72.16	>	>
Hawaii	219.35	1.71	44.47	199.35	2.06	51.13	20.00	2.68	94.43	>	>
Idaho	224.32	0.94	57.50	204.18	2.32	19.49	20.13	2.50	26.14	>	>
Indiana	224.87	0.91	43.56	200.76	1.82	25.23	24.11	2.03	38.00	>	>
Iowa	231.64	0.95	48.86	211.78	2.59	42.21	19.86	2.75	53.51	>	>
Kentucky	217.31	1.00	30.79	200.74	1.93	31.47	16.58	2.17	47.31	>	>
Louisiana	218.46	1.46	26.75	188.75	1.68	29.75	29.71	2.23	56.05	>	>
Maine	232.57	1.03	20.98	217.12	3.62	29.58	15.46	3.77	34.24	>	>
Maryland	229.01	1.13	57.30	196.83	1.75	14.80	32.19	2.08	28.46	>	>
Massachusetts	231.81	1.00	49.97	200.51	2.28	43.13	31.30	2.50	59.51	>	>
Michigan	227.59	1.46	28.43	194.08	3.15	16.25	33.51	3.47	23.41	>	>
Minnesota	231.77	0.85	57.78	204.41	2.34	14.57	27.36	2.49	18.56	>	>
Mississippi	218.56	1.22	33.54	189.85	1.18	30.48	28.71	1.70	64.01	>	>
Missouri	228.02	1.02	44.81	199.78	1.89	15.83	28.25	2.15	25.70	>	>
Nebraska	229.29	1.19	47.43	201.27	2.20	41.91	28.02	2.51	65.16	>	>
New Hampshire	231.12	1.11	38.81	215.66	2.71	39.08	15.46	2.93	51.79	>	>
New Jersey	236.69	1.24	38.53	202.74	2.18	21.18	33.95	2.51	35.12	>	>
New Mexico	224.87	1.41	26.83	203.39	1.46	14.67	21.48	2.03	37.12	>	>
New York	228.62	1.34	25.02	199.33	1.90	15.64	29.29	2.33	30.30	>	>
North Carolina	223.44	1.08	52.45	194.58	1.44	29.42	28.86	1.80	61.19	>	>
North Dakota	230.02	0.73	41.41	213.08	3.29	20.68	16.94	3.37	22.72	>	>
Ohio	222.57	1.08	41.52	199.95	2.51	20.94	22.63	2.73	28.84	>	>
Oklahoma	224.64	1.01	36.47	205.20	1.88	27.55	19.43	2.13	43.06	>	>
Pennsylvania	231.06	1.18	40.77	198.23	2.01	20.15	32.83	2.33	34.56	>	>
Rhode Island	222.26	1.26	30.74	190.24	2.54	16.35	32.02	2.83	24.67	>	>
South Carolina	225.52	1.18	60.33	195.96	1.02	37.73	29.56	1.56	97.35	>	>
Tennessee	218.13	1.14	39.91	192.77	1.87	16.64	25.36	2.19	29.60	>	>
Texas	229.03	1.61	30.89	205.80	1.43	23.38	23.22	2.15	54.24	>	>
Utah	226.34	0.94	46.61	208.60	2.10	19.29	17.74	2.30	27.39	>	>
Virginia	228.64	1.50	37.40	200.43	1.55	49.51	28.21	2.16	85.94	>	>
West Virginia	216.36	1.02	38.31	203.96	2.71	26.11	12.40	2.90	33.58	>	>
Wisconsin	233.77	0.91	41.29	205.26	2.40	17.88	28.51	2.57	23.19	>	>
Wyoming	227.66	0.92	31.14	214.31	1.80	25.15	13.35	2.02	37.88	>	>
Dist. Of Columbia	241.71	4.19	10.05	189.39	0.56	62.00	52.32	4.23	10.41	>	>
Guam	206.27	1.97	57.25	181.41	19.7	37.75	24.86	2.79	90.94	>	>

1992_W/BH

NAEP 1992 GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:
Change in White-Black/Hispanic Gap from 1992 to 2000 in Public Schools

	2000 W-BH Gap			1992 W-BH Gap			2000-1992 Change in Gap		
	Mean	Pooled SE	Pooled DF	Mean	Pooled SE	Pooled DF	Difference	Sig FDR?	Sig T-test?
Nation	26.94	1.68	44.64	31.73	1.47	74.45	-4.79	n/a	<
Northeast	28.15	3.14	40.00	35.95	3.49	21.70	-7.80		
Southeast	26.77	3.59	13.44	27.26	2.89	15.45	-0.49		
Central	26.78	2.97	42.56	33.08	3.86	5.80	-6.30		
West	24.52	3.46	19.03	29.26	2.51	36.79	-4.74		
Alabama	25.12	1.99	69.71	29.92	1.90	70.28	-4.80		
Arizona	26.53	2.31	87.54	23.01	1.56	67.39	3.52		
Arkansas	25.47	1.96	57.08	27.62	1.72	44.74	-2.15		
California	29.11	2.64	37.04	30.51	2.35	68.26	-1.40		
Connecticut	30.44	2.06	25.04	34.02	2.41	33.35	-3.58		
Georgia	26.07	1.96	57.82	31.56	1.70	72.16	-5.49		<
Hawaii	20.15	2.67	59.78	20.00	2.68	94.43	0.14		
Idaho	19.02	2.92	12.97	20.13	2.50	26.14	-1.11		
Indiana	20.35	2.33	48.58	24.11	2.03	38.00	-3.76		
Iowa	20.56	3.47	18.62	19.86	2.75	53.51	0.70		
Kentucky	22.84	2.31	75.17	16.58	2.17	47.31	6.26		
Louisiana	24.99	2.15	58.19	29.71	2.23	56.05	-4.72		
Maine	7.39	4.34	36.89	15.46	3.77	34.24	-8.06		
Maryland	32.06	2.16	59.71	32.19	2.08	28.46	-0.13		
Massachusetts	30.24	2.19	11.78	31.30	2.50	59.51	-1.06		
Michigan	35.11	2.69	28.65	33.51	3.47	23.41	1.59		
Minnesota	26.94	3.28	12.06	27.36	2.49	18.56	-0.42		
Mississippi	24.83	1.81	83.16	28.71	1.70	64.01	-3.88		
Missouri	29.88	2.69	34.51	28.25	2.15	25.70	1.64		
Nebraska	27.60	3.46	26.79	28.02	2.51	65.16	-0.43		
New Mexico	18.95	2.50	31.39	21.48	2.03	37.12	-2.53		
New York	27.22	2.09	71.20	29.29	2.33	30.30	-2.07		
North Carolina	22.77	1.68	80.57	28.86	1.80	61.19	-6.09		<
North Dakota	15.01	3.06	49.02	16.94	3.37	22.72	-1.93		
Ohio	25.31	2.11	65.62	22.63	2.73	28.84	2.69		
Oklahoma	18.45	3.37	5.04	19.43	2.13	43.06	-0.98		
Rhode Island	35.11	2.58	22.87	32.02	2.83	24.67	3.08		
South Carolina	28.25	2.08	26.79	29.56	1.56	97.35	-1.31		
Tennessee	27.25	3.18	18.66	25.36	2.19	29.60	1.89		
Texas	20.22	1.98	48.55	23.22	2.15	54.24	-3.00		
Utah	26.15	2.62	39.18	17.74	2.30	27.39	8.42		>
Virginia	25.56	1.81	41.19	28.21	2.16	85.94	-2.64		
West Virginia	16.17	3.21	31.42	12.40	2.90	33.58	3.77		
Wyoming	17.21	2.52	44.20	13.35	2.02	37.88	3.86		
Dist. Of Columbia	50.02	4.79	34.64	52.32	4.23	10.41	-2.31		

2000-1992 Gap Differences

NAEP 2000 GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:

Significant Test Calculation for Change in Average Scale Score Gap for White and Minorities in Public Schools

White				Black/Hispanic				Pooled		T- Test			Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	234.71	1.14	31.92	Nation	207.77	1.24	18.55	1.68	44.64	16.0518	0.0000	YES >				
Northeast	237.48	2.03	18.72	Northeast	209.34	2.40	21.63	3.14	40.00	8.9642	0.0000	YES >	2	0.5000	0.0250	SIG_FDR >
Southeast	231.40	2.44	13.64	Southeast	204.63	2.63	4.91	3.59	13.44	7.4610	0.0000	YES >	4	1.0000	0.0500	SIG_FDR >
Central	236.00	1.80	15.63	Central	209.22	2.35	26.93	2.97	42.56	9.0283	0.0000	YES >	1	0.2500	0.0125	SIG_FDR >
West	233.51	2.68	7.74	West	208.99	2.18	27.36	3.46	19.03	7.0911	0.0000	YES >	3	0.7500	0.0375	SIG_FDR >
Alabama	229.23	1.45	31.11	Alabama	204.11	1.36	41.57	1.99	69.71	12.6195	0.0000	YES >	6	0.1463	0.0073	SIG_FDR >
Arizona	231.34	1.35	27.87	Arizona	204.81	1.88	59.86	2.31	87.54	11.4695	0.0000	YES >	8	0.1951	0.0098	SIG_FDR >
Arkansas	225.30	1.14	24.56	Arkansas	199.83	1.59	34.05	1.96	57.08	13.0182	0.0000	YES >	9	0.2195	0.0110	SIG_FDR >
California	228.54	1.59	46.64	California	199.43	2.11	16.75	2.64	37.04	11.0091	0.0000	YES >	18	0.4390	0.0220	SIG_FDR >
Connecticut	242.60	1.00	46.50	Connecticut	212.16	1.81	15.17	2.06	25.04	14.7432	0.0000	YES >	14	0.3415	0.0171	SIG_FDR >
Georgia	232.10	1.45	30.55	Georgia	206.03	1.31	27.41	1.96	57.82	13.3201	0.0000	YES >	7	0.1707	0.0085	SIG_FDR >
Hawaii	225.20	2.05	27.24	Hawaii	205.05	1.71	42.44	2.67	59.78	7.5524	0.0000	YES >	27	0.6585	0.0329	SIG_FDR >
Idaho	230.48	1.21	22.38	Idaho	211.46	2.66	9.04	2.92	12.97	6.5075	0.0000	YES >	39	0.9512	0.0476	SIG_FDR >
Illinois	236.61	2.45	21.97	Illinois	209.72	1.52	32.06	2.89	38.19	9.3172	0.0000	YES >	25	0.6098	0.0305	SIG_FDR >
Indiana	238.00	1.18	46.11	Indiana	217.65	2.01	28.72	2.33	48.58	8.7363	0.0000	YES >	24	0.5854	0.0293	SIG_FDR >
Iowa	235.32	1.13	37.70	Iowa	214.75	3.28	14.94	3.47	18.62	5.9231	0.0000	YES >	37	0.9024	0.0451	SIG_FDR >
Kansas	237.68	1.53	43.11	Kansas	212.48	2.90	10.66	3.28	17.13	7.6861	0.0000	YES >	34	0.8293	0.0415	SIG_FDR >
Kentucky	224.74	1.17	45.89	Kentucky	201.90	1.99	46.68	2.31	75.17	9.8976	0.0000	YES >	13	0.3171	0.0159	SIG_FDR >
Louisiana	230.02	1.34	32.71	Louisiana	205.03	1.69	29.85	2.15	58.19	11.6102	0.0000	YES >	12	0.2927	0.0146	SIG_FDR >
Maine	231.05	0.96	41.53	Maine	223.66	4.24	33.47	4.34	36.89	1.7028	0.0972		42	1.0244	0.0512	
Maryland	237.10	1.39	34.61	Maryland	205.05	1.66	29.16	2.16	59.71	14.8261	0.0000	YES >	3	0.0732	0.0037	SIG_FDR >
Massachusetts	241.11	0.98	59.35	Massachusetts	210.86	1.96	7.63	2.19	11.78	13.8066	0.0000	YES >	32	0.7805	0.0390	SIG_FDR >
Michigan	239.26	1.28	36.98	Michigan	204.15	2.37	17.87	2.69	28.65	13.0280	0.0000	YES >	16	0.3902	0.0195	SIG_FDR >
Minnesota	239.72	1.11	45.93	Minnesota	212.78	3.09	9.51	3.28	12.06	8.2115	0.0000	YES >	35	0.8537	0.0427	SIG_FDR >
Mississippi	224.15	1.50	47.34	Mississippi	199.32	1.01	47.06	1.81	83.16	13.7403	0.0000	YES >	1	0.0244	0.0012	SIG_FDR >
Missouri	235.21	0.98	50.26	Missouri	205.33	2.51	26.26	2.69	34.51	11.1049	0.0000	YES >	19	0.4634	0.0232	SIG_FDR >
Montana	233.54	1.79	18.54	Montana	219.74	3.60	18.07	4.02	28.54	3.4276	0.0020	YES >	40	0.9756	0.0488	SIG_FDR >
Nebraska	231.90	1.27	27.47	Nebraska	204.30	3.22	20.40	3.46	26.79	7.9766	0.0000	YES >	30	0.7317	0.0366	SIG_FDR >
Nevada	228.31	0.97	31.81	Nevada	208.76	1.75	26.34	2.00	41.76	9.7649	0.0000	YES >	21	0.5122	0.0256	SIG_FDR >
New Mexico	226.81	1.76	33.93	New Mexico	207.85	1.77	10.33	2.50	31.39	7.5941	0.0000	YES >	29	0.7073	0.0354	SIG_FDR >
New York	238.37	1.54	37.50	New York	211.15	1.42	33.76	2.09	71.20	13.0114	0.0000	YES >	5	0.1220	0.0061	SIG_FDR >
North Carolina	240.69	1.08	45.82	North Carolina	217.92	1.28	39.71	1.68	80.57	13.5897	0.0000	YES >	2	0.0488	0.0024	SIG_FDR >
North Dakota	233.34	0.92	62.00	North Dakota	218.33	2.92	40.84	3.06	49.02	4.9003	0.0000	YES >	36	0.8780	0.0439	SIG_FDR >
Ohio	236.44	1.35	26.33	Ohio	211.13	1.62	39.32	2.11	65.62	12.0104	0.0000	YES >	10	0.2439	0.0122	SIG_FDR >
Oklahoma	230.09	0.99	50.82	Oklahoma	211.65	3.22	4.20	3.37	5.04	5.4779	0.0028	YES >	41	1.0000	0.0500	SIG_FDR >
Oregon	230.50	1.56	48.31	Oregon	206.25	2.90	24.86	3.30	39.63	7.3569	0.0000	YES >	28	0.6829	0.0341	SIG_FDR >
Rhode Island	233.87	1.03	40.60	Rhode Island	198.76	2.36	16.33	2.58	22.87	13.6306	0.0000	YES >	22	0.5366	0.0268	SIG_FDR >
South Carolina	233.17	1.03	55.68	South Carolina	204.93	1.60	15.74	2.08	26.79	13.6079	0.0000	YES >	17	0.4146	0.0207	SIG_FDR >
Tennessee	227.25	1.34	36.84	Tennessee	200.00	2.88	12.84	3.18	18.66	8.5745	0.0000	YES >	33	0.8049	0.0402	SIG_FDR >
Texas	242.99	1.35	31.17	Texas	222.77	1.45	20.96	1.98	48.55	10.2249	0.0000	YES >	15	0.3659	0.0183	SIG_FDR >
Utah	232.35	1.03	44.27	Utah	206.20	2.41	28.61	2.62	39.18	9.9913	0.0000	YES >	20	0.4878	0.0244	SIG_FDR >
Virginia	239.61	1.16	29.93	Virginia	214.04	1.38	18.50	1.81	41.19	14.1556	0.0000	YES >	11	0.2683	0.0134	SIG_FDR >
West Virginia	226.67	1.14	62.00	West Virginia	210.49	3.00	24.22	3.21	31.42	5.0393	0.0000	YES >	38	0.9268	0.0463	SIG_FDR >
Wyoming	232.05	1.50	12.75	Wyoming	214.84	2.03	32.60	2.52	44.20	6.8321	0.0000	YES >	31	0.7561	0.0378	SIG_FDR >
Dist. Of Columbia	240.58	4.72	32.66	Dist. Of Columbia	190.56	0.82	57.54	4.79	34.64	10.4319	0.0000	YES >	23	0.5610	0.0280	SIG_FDR >
DoDEA/DDESS	236.72	1.66	19.68	DoDEA/DDESS	218.81	1.48	39.73	2.22	48.33	8.0731	0.0000	YES >	26	0.6341	0.0317	SIG_FDR >
DoDEA/DoDDS	235.09	1.17	44.50	DoDEA/DoDDS	216.07	0.96	43.10	1.51	85.05	12.5721	0.0000	YES >	4	0.0976	0.0049	SIG_FDR >

2000_W/BH

NAEP 1992 GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:
Significant Test Calculation for Change in Average Scale Score Gap for White and Minorities in Public Schools

White				Black/Hispanic				Pooled		T- Test			Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	227.15	0.96	45.98	Nation	195.43	1.11	34.63	1.47	74.45	21.6197	0.0000	YES >				
Northeast	233.06	2.31	17.51	Northeast	197.11	2.62	9.01	3.49	21.70	10.3062	0.0000	YES >	2	0.6667	0.0333	SIG_FDR >
Southeast	220.04	2.16	6.06	Southeast	192.78	1.92	14.80	2.89	15.45	9.4248	0.0000	YES >	3	1.0000	0.0500	SIG_FDR >
Central	228.96	1.74	10.70	Central	195.88	3.45	3.77	3.86	5.80	8.5588	0.0004	YES >	4	1.3333	0.0667	SIG_FDR >
West	226.29	1.76	15.26	West	197.03	1.79	22.83	2.51	36.79	11.6659	0.0000	YES >	1	0.3333	0.0167	SIG_FDR >
Alabama	219.02	1.51	37.42	Alabama	189.10	1.14	38.94	1.90	70.28	15.7836	0.0000	YES >	4	0.5714	0.0286	SIG_FDR >
Arizona	225.91	0.79	48.09	Arizona	202.90	1.35	41.31	1.56	67.39	14.7411	0.0000	YES >	7	1.0000	0.0500	SIG_FDR >
Arkansas	218.05	0.93	35.64	Arkansas	190.43	1.44	24.96	1.72	44.74	16.0942	0.0000	YES >	10	1.4286	0.0714	SIG_FDR >
California	221.14	1.75	32.53	California	190.63	1.57	38.14	2.35	68.26	12.9985	0.0000	YES >	9	1.2857	0.0643	SIG_FDR >
Colorado	227.53	1.04	52.99	Colorado	205.22	1.30	46.54	1.66	92.22	13.4017	0.0000	YES >	6	0.8571	0.0429	SIG_FDR >
Connecticut	235.10	0.92	40.13	Connecticut	201.07	2.22	24.77	2.41	33.35	14.1363	0.0000	YES >	16	2.2857	0.1143	SIG_FDR >
Delaware	227.18	0.84	33.13	Delaware	197.84	1.46	16.57	1.69	27.90	17.4124	0.0000	YES >	14	2.0000	0.1000	SIG_FDR >
Florida	224.24	1.32	23.34	Florida	197.88	1.99	30.11	2.39	49.99	11.0456	0.0000	YES >	20	2.8571	0.1429	SIG_FDR >
Georgia	228.75	1.18	44.29	Georgia	197.19	1.23	31.35	1.70	72.16	18.5221	0.0000	YES >	2	0.2857	0.0143	SIG_FDR >
Hawaii	219.35	1.71	44.47	Hawaii	199.35	2.06	51.13	2.68	94.43	7.4669	0.0000	YES >	28	4.0000	0.2000	SIG_FDR >
Idaho	224.32	0.94	57.50	Idaho	204.18	2.32	19.49	2.50	26.14	8.0428	0.0000	YES >	36	5.1429	0.2571	SIG_FDR >
Indiana	224.87	0.91	43.56	Indiana	200.76	1.82	25.23	2.03	38.00	11.8748	0.0000	YES >	21	3.0000	0.1500	SIG_FDR >
Iowa	231.64	0.95	48.86	Iowa	211.78	2.59	42.21	2.75	53.51	7.2103	0.0000	YES >	33	4.7143	0.2357	SIG_FDR >
Kentucky	217.31	1.00	30.79	Kentucky	200.74	1.93	31.47	2.17	47.31	7.6275	0.0000	YES >	31	4.4286	0.2214	SIG_FDR >
Louisiana	218.46	1.46	26.75	Louisiana	188.75	1.68	29.75	2.23	56.05	13.3476	0.0000	YES >	11	1.5714	0.0786	SIG_FDR >
Maine	232.57	1.03	20.98	Maine	217.12	3.62	29.58	3.77	34.24	4.1042	0.0002	YES >	43	6.1429	0.3071	SIG_FDR >
Maryland	229.01	1.13	57.30	Maryland	196.83	1.75	14.80	2.08	28.46	15.4527	0.0000	YES >	18	2.5714	0.1286	SIG_FDR >
Massachusetts	231.81	1.00	49.97	Massachusetts	200.51	2.28	43.13	2.50	59.51	12.5457	0.0000	YES >	12	1.7143	0.0857	SIG_FDR >
Michigan	227.59	1.46	28.43	Michigan	194.08	3.15	16.25	3.47	23.41	9.6611	0.0000	YES >	32	4.5714	0.2286	SIG_FDR >
Minnesota	231.77	0.85	57.78	Minnesota	204.41	2.34	14.57	2.49	18.56	10.9819	0.0000	YES >	34	4.8571	0.2429	SIG_FDR >
Mississippi	218.56	1.22	33.54	Mississippi	189.85	1.18	30.48	1.70	64.01	16.8891	0.0000	YES >	3	0.4286	0.0214	SIG_FDR >
Missouri	228.02	1.02	44.81	Missouri	199.78	1.89	15.83	2.15	25.70	13.1341	0.0000	YES >	25	3.5714	0.1786	SIG_FDR >
Nebraska	229.29	1.19	47.43	Nebraska	201.27	2.20	41.91	2.51	65.16	11.1874	0.0000	YES >	13	1.8571	0.0929	SIG_FDR >
New Hampshire	231.12	1.11	38.81	New Hampshire	215.66	2.71	39.08	2.93	51.79	5.2739	0.0000	YES >	40	5.7143	0.2857	SIG_FDR >
New Jersey	236.69	1.24	38.53	New Jersey	202.74	2.18	21.18	2.51	35.12	13.5247	0.0000	YES >	17	2.4286	0.1214	SIG_FDR >
New Mexico	224.87	1.41	26.83	New Mexico	203.39	1.46	14.67	2.03	37.12	10.5932	0.0000	YES >	24	3.4286	0.1714	SIG_FDR >
New York	228.62	1.34	25.02	New York	199.33	1.90	15.64	2.33	30.30	12.5767	0.0000	YES >	23	3.2857	0.1643	SIG_FDR >
North Carolina	223.44	1.08	52.45	North Carolina	194.58	1.44	29.42	1.80	61.19	16.0309	0.0000	YES >	5	0.7143	0.0357	SIG_FDR >
North Dakota	230.02	0.73	41.41	North Dakota	213.08	3.29	20.68	3.37	22.72	5.0227	0.0000	YES >	41	5.8571	0.2929	SIG_FDR >
Ohio	222.57	1.08	41.52	Ohio	199.95	2.51	20.94	2.73	28.84	8.2840	0.0000	YES >	35	5.0000	0.2500	SIG_FDR >
Oklahoma	224.64	1.01	36.47	Oklahoma	205.20	1.88	27.55	2.13	43.06	9.1171	0.0000	YES >	27	3.8571	0.1929	SIG_FDR >
Pennsylvania	231.06	1.18	40.77	Pennsylvania	198.23	2.01	20.15	2.33	34.56	14.0844	0.0000	YES >	15	2.1429	0.1071	SIG_FDR >
Rhode Island	222.26	1.26	30.74	Rhode Island	190.24	2.54	16.35	2.83	24.67	11.3045	0.0000	YES >	29	4.1429	0.2071	SIG_FDR >
South Carolina	225.52	1.18	60.33	South Carolina	195.96	1.02	37.73	1.56	97.35	18.9199	0.0000	YES >	1	0.1429	0.0071	SIG_FDR >
Tennessee	218.13	1.14	39.91	Tennessee	192.77	1.87	16.64	2.19	29.60	11.8005	0.0000	YES >	26	3.7143	0.1857	SIG_FDR >
Texas	229.03	1.61	30.89	Texas	205.80	1.43	23.38	2.15	54.24	10.8000	0.0000	YES >	19	2.7143	0.1357	SIG_FDR >
Utah	226.34	0.94	46.61	Utah	208.60	2.10	19.29	2.30	27.39	7.7064	0.0000	YES >	37	5.2857	0.2643	SIG_FDR >
Virginia	228.64	1.50	37.40	Virginia	200.43	1.55	49.51	2.16	85.94	13.0788	0.0000	YES >	8	1.1429	0.0571	SIG_FDR >
West Virginia	216.36	1.02	38.31	West Virginia	203.96	2.71	26.11	2.90	33.58	4.2762	0.0002	YES >	42	6.0000	0.3000	SIG_FDR >
Wisconsin	233.77	0.91	41.29	Wisconsin	205.26	2.40	17.88	2.57	23.19	11.1081	0.0000	YES >	30	4.2857	0.2143	SIG_FDR >
Wyoming	227.66	0.92	31.14	Wyoming	214.31	1.80	25.15	2.02	37.88	6.6144	0.0000	YES >	38	5.4286	0.2714	SIG_FDR >
Dist. Of Columbia	241.71	4.19	10.05	Dist. Of Columbia	189.39	0.56	62.00	4.23	10.41	12.3770	0.0000	YES >	39	5.5714	0.2786	SIG_FDR >
Guam	206.27	1.97	57.25	Guam	181.41	1.97	37.75	2.79	90.94	8.9219	0.0000	YES >	22	3.1429	0.1571	SIG_FDR >

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NAEP GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:

Significant Test Calculation for Change in Average Scale Score Gap for White and Minorities from 1992 to 2000

2000 Gap (W-BH)				1992 Gap (W-BH)				Pooled		T- Test			Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	26.94	1.68	44.64	Nation	31.73	1.47	74.45	2.23	102.92	-2.1473	0.0341	YES <				
Northeast	28.15	3.14	40.00	Northeast	35.95	3.49	21.70	4.69	52.44	-1.6621	0.1025		1	0.2500	0.0125	
Southeast	26.77	3.59	13.44	Southeast	27.26	2.89	15.45	4.61	26.76	-0.1065	0.9160		4	1.0000	0.0500	
Central	26.78	2.97	42.56	Central	33.08	3.86	5.80	4.87	13.99	-1.2928	0.2186		2	0.5000	0.0250	
West	24.52	3.46	19.03	West	29 26	2.51	36.79	4.27	38.77	-1.1088	0.2745		3	0.7500	0.0375	
Alabama	25.12	1.99	69.71	Alabama	29.92	1.90	70.28	2.75	139.60	-1.7472	0.0828		5	0.1471	0.0074	
Arizona	26.53	2.31	87.54	Arizona	23.01	1.56	67.39	2.79	146.08	1.2616	0.2091		9	0.2647	0.0132	
Arkansas	25.47	1.96	57.08	Arkansas	27.62	1.72	44.74	2.60	101.81	-0.8264	0.4105		16	0.4706	0.0235	
California	29.11	2.64	37.04	California	30.51	2.35	68.26	3.54	88.58	-0.3974	0.6921		25	0.7353	0.0368	
Connecticut	30.44	2.06	25.04	Connecticut	34.02	2.41	33.35	3.17	58.39	-1.1304	0.2630		12	0.3529	0.0176	
Georgia	26.07	1.96	57.82	Georgia	31.56	1.70	72.16	2.60	122.36	-2.1139	0.0366	YES <	3	0.0882	0.0044	
Hawaii	20.15	2.67	59.78	Hawaii	20.00	2.68	94.43	3.78	146.70	0.0379	0.9698		35	1.0294	0.0515	
Idaho	19.02	2.92	12.97	Idaho	20.13	2.50	26.14	3.85	30.76	-0.2889	0.7747		29	0.8529	0.0426	
Indiana	20.35	2.33	48.58	Indiana	24.11	2.03	38.00	3.09	86.56	-1.2180	0.2266		10	0.2941	0.0147	
Iowa	20.56	3.47	18.62	Iowa	19.86	2.75	53.51	4.43	43.45	0.1579	0.8753		31	0.9118	0.0456	
Kentucky	22.84	2.31	75.17	Kentucky	16.58	2.17	47.31	3.17	118.96	1.9754	0.0506		4	0.1176	0.0059	
Louisiana	24.99	2.15	58.19	Louisiana	29.71	2.23	56.05	3.10	113.93	-1.5258	0.1299		7	0.2059	0.0103	
Maine	7.39	4.34	36.89	Maine	15.46	3.77	34.24	5.75	70.36	-1.4029	0.1651		8	0.2353	0.0118	
Maryland	32.06	2.16	59.71	Maryland	32.19	2.08	28.46	3.00	79.08	-0.0432	0.9656		34	1.0000	0.0500	
Massachusetts	30.24	2.19	11.78	Massachusetts	31.30	2.50	59.51	3.32	46.62	-0.3188	0.7513		28	0.8235	0.0412	
Michigan	35.11	2.69	28.65	Michigan	33.51	3.47	23.41	4.39	46.39	0.3631	0.7182		26	0.7647	0.0382	
Minnesota	26.94	3.28	12.06	Minnesota	27.36	2.49	18.56	4.12	24.66	-0.1030	0.9188		32	0.9412	0.0471	
Mississippi	24.83	1.81	83.16	Mississippi	28.71	1.70	64.01	2.48	146.46	-1.5647	0.1198		6	0.1765	0.0088	
Missouri	29.88	2.69	34.51	Missouri	28.25	2.15	25.70	3.44	59.87	0.4751	0.6365		23	0.6765	0.0338	
Nebraska	27.60	3.46	26.79	Nebraska	28.02	2.51	65.16	4.27	55.92	-0.0997	0.9209		33	0.9706	0.0485	
New Mexico	18.95	2.50	31.39	New Mexico	21.48	2.03	37.12	3.22	63.22	-0.7856	0.4351		18	0.5294	0.0265	
New York	27.22	2.09	71.20	New York	29.29	2.33	30.30	3.13	77.47	-0.6608	0.5107		20	0.5882	0.0294	
North Carolina	22.77	1.68	80.57	North Carolina	28.86	1.80	61.19	2.46	135.76	-2.4753	0.0146	YES <	1	0.0294	0.0015	
North Dakota	15.01	3.06	49.02	North Dakota	16.94	3.37	22.72	4.56	57.52	-0.4239	0.6732		24	0.7059	0.0353	
Ohio	25.31	2.11	65.62	Ohio	22.63	2.73	28.84	3.45	63.51	0.7793	0.4387		19	0.5588	0.0279	
Oklahoma	18.45	3.37	5.04	Oklahoma	19.43	2.13	43.06	3.99	9.70	-0.2471	0.8104		30	0.8824	0.0441	
Rhode Island	35.11	2.58	22.87	Rhode Island	32.02	2.83	24.67	3.83	47.39	0.8057	0.4245		17	0.5000	0.0250	
South Carolina	28.25	2.08	26.79	South Carolina	29.56	1.56	97.35	2.60	60.39	-0.5051	0.6153		21	0.6176	0.0309	
Tennessee	27.25	3.18	18.66	Tennessee	25.36	2.19	29.60	3.86	35.48	0.4904	0.6269		22	0.6471	0.0324	
Texas	20.22	1.98	48.55	Texas	23.22	2.15	54.24	2.92	102.71	-1.0267	0.3070		13	0.3824	0.0191	
Utah	26.15	2.62	39.18	Utah	17.74	2.30	27.39	3.49	66.41	2.4152	0.0185	YES >	2	0.0588	0.0029	
Virginia	25.56	1.81	41.19	Virginia	28.21	2.16	85.94	2.81	122.78	-0.9402	0.3490		14	0.4118	0.0206	
West Virginia	16.17	3.21	31.42	West Virginia	12.40	2.90	33.58	4.33	63.84	0.8722	0.3864		15	0.4412	0.0221	
Wyoming	17.21	2.52	44.20	Wyoming	13.35	2.02	37.88	3.23	80.47	1.1968	0.2349		11	0.3235	0.0162	
Dist. Of Columbia	50.02	4.79	34.64	Dist. Of Columbia	52.32	4.23	10.41	6.39	38.35	-0.3611	0.7201		27	0.7941	0.0397	

NAEP 2000 GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:

Percentages and Average Scale Scores for Student Eligible and not Eligible for School Lunch Program

	Total			School Lunch Not Eligible						School Lunch Eligible						
	N	Mean	SE	N	Pct	SE	DF	Mean	SE	DF	N	Pct	SE	DF	Mean	SE	DF
Nation	7070	226.24	0.96	3372	51.69	2.41	33.00	235.54	1.25	36.81	3023	35.40	1.14	51.19	209.60	0.97	29.95
Northeast	1409	229.21	1.80	694	56.67	4.52	14.21	238.68	2.07	10.33	615	31.97	3.18	11.78	211.62	1.84	28.17
Southeast	2097	220.17	2.31	936	47.17	3.20	16.56	233.30	2.53	10.21	1041	47.75	2.28	25.42	206.06	2.36	11.37
Central	1350	230.68	1.53	708	56.73	6.10	9.56	236.84	1.95	13.66	418	24.78	2.48	22.30	211.97	1.73	17.96
West	2214	225.28	2.10	1034	47.66	5.05	29.01	233.36	2.71	19.85	949	36.72	2.28	19.81	210.62	1.72	39.34
Alabama	2438	217.94	1.41	1070	43.83	2.39	48.99	230.33	1.45	24.12	1227	50.53	2.27	46.16	206.14	1.39	55.90
Arizona	2082	218.77	1.42	1073	49.20	2.98	40.14	231.07	2.11	12.29	814	39.69	2.52	41.45	204.82	1.76	28.82
Arkansas	2262	217.06	1.13	1061	46.82	2.10	53.40	228.99	1.13	33.36	1145	50.85	1.96	62.00	205.93	1.34	57.82
California	1656	213.57	1.84	696	39.82	3.32	62.00	229.09	1.64	38.45	772	48.66	3.44	58.95	200.15	1.89	16.84
Connecticut	2499	234.24	1.16	1658	67.23	2.59	37.27	242.11	1.08	43.73	614	24.18	2.05	36.56	215.76	1.89	19.89
Georgia	2681	219.56	1.06	1205	44.88	2.84	42.81	233.15	1.38	44.07	1146	42.19	2.07	36.78	204.15	1.16	57.77
Hawaii	2439	215.85	1.15	1221	49.13	2.02	37.12	226.43	1.46	42.60	1108	45.75	2.05	40.54	204.91	1.57	12.63
Idaho	1699	226.89	1.21	922	52.48	2.99	12.15	234.29	1.28	14.25	677	41.01	1.65	47.59	217.26	1.81	13.42
Illinois	1622	224.93	1.92	766	51.73	3.94	34.03	234.80	2.60	15.86	668	36.63	3.08	40.59	208.99	1.66	31.61
Indiana	1864	234.42	1.08	1237	64.90	2.94	23.04	239.91	1.26	43.82	461	25.33	2.09	33.62	221.73	1.42	19.28
Iowa	1909	232.90	1.27	1302	68.90	2.11	38.41	236.47	1.33	20.15	491	26.26	1.62	34.24	223.63	1.82	9.30
Kansas	1561	231.95	1.53	953	62.31	2.69	39.74	241.20	1.32	34.68	528	33.65	2.45	36.81	217.32	2.23	16.64
Kentucky	2275	220.99	1.17	1109	48.21	2.25	38.28	231.14	1.19	52.20	1054	46.80	1.94	59.41	209.97	1.36	46.35
Louisiana	2513	217.96	1.40	825	32.23	2.38	61.12	233.22	1.72	23.21	1320	53.40	3.13	60.98	210.44	1.62	23.81
Maine	2132	230.57	0.92	1373	64.32	1.82	19.95	234.29	0.89	62.00	666	30.88	1.32	34.39	222.07	1.38	20.44
Maryland	2645	222.31	1.27	1543	58.39	2.46	30.37	233.48	1.37	48.27	855	31.78	2.08	27.86	204.32	2.02	22.56
Massachusetts	2292	234.96	1.12	1545	66.93	2.49	22.22	243.22	1.02	41.69	573	25.68	2.24	22.18	213.02	1.88	19.33
Michigan	1903	230.89	1.43	1273	68.33	2.48	28.96	239.52	1.31	40.31	533	27.28	2.40	24.73	211.28	1.88	29.58
Minnesota	1822	235.27	1.32	1225	67.57	3.05	28.72	240.25	1.01	44.54	491	26.78	2.13	40.12	219.53	2.65	12.68
Mississippi	2831	210.97	1.07	888	32.16	1.92	30.15	225.67	1.35	25.88	1664	58.01	2.08	29.12	202.47	1.19	36.69
Missouri	2330	228.55	1.19	1437	61.84	2.48	43.63	236.80	1.14	29.10	795	33.59	1.92	50.26	212.73	1.74	28.16
Montana	1123	229.81	1.81	578	52.97	4.18	37.97	236.17	1.83	24.07	337	31.19	3.07	41.61	217.30	2.48	16.98
Nebraska	1396	225.95	1.72	846	60.57	3.49	36.71	234.55	1.39	16.44	469	33.87	2.79	36.62	209.80	2.35	24.15
Nevada	2529	220.27	1.18	1486	60.03	2.35	40.84	227.55	1.06	40.10	855	33.92	2.15	41.94	207.74	1.60	24.02
New Mexico	1933	213.87	1.48	666	33.91	2.77	39.61	227.38	1.83	30.09	991	53.60	3.11	31.83	204.68	2.10	15.04
New York	1753	226.56	1.33	850	47.61	2.98	33.52	238.92	1.93	17.05	833	48.67	2.64	31.81	213.77	1.35	32.42
North Carolina	2413	232.46	1.00	1340	55.42	2.45	40.48	241.10	1.17	45.82	959	39.90	2.18	51.39	219.95	1.06	35.80
North Dakota	2456	230.89	0.86	1417	57.58	2.44	43.12	235.16	0.86	45.93	580	24.31	1.69	55.78	221.24	2.00	25.36
Ohio	1913	230.57	1.33	1106	57.20	2.83	42.71	238.87	1.44	15.11	662	34.29	2.36	52.52	216.63	1.71	24.35
Oklahoma	2302	225.04	1.26	1060	45.50	2.59	48.12	234.16	0.99	41.33	1117	49.31	2.54	44.51	216.67	1.91	6.95
Oregon	1596	226.63	1.64	902	57.61	3.02	48.08	233.96	1.67	46.29	541	34.53	2.99	44.95	213.24	2.31	20.55
Rhode Island	2447	224.63	1.22	1510	60.19	2.05	44.13	236.30	1.12	43.34	831	35.43	1.87	47.35	205.56	2.08	17.05
South Carolina	2501	220.42	1.39	1197	46.26	2.11	42.37	234.78	1.03	45.52	1236	49.66	2.13	22.69	208.28	1.77	9.91
Tennessee	2488	219.84	1.49	1443	56.71	2.13	56.56	230.79	1.51	35.17	970	40.80	1.99	51.76	204.24	1.99	13.52
Texas	2171	232.67	1.21	1039	48.38	3.16	45.37	241.98	1.31	36.26	937	43.05	2.91	46.00	222.30	1.43	20.41
Utah	2639	227.29	1.22	1722	63.54	2.51	39.51	232.93	1.07	57.04	766	30.59	1.99	49.95	214.54	1.99	36.49
Vermont	1165	231.70	1.63	762	66.07	2.51	38.05	237.04	1.80	36.07	308	25.71	1.87	58.32	216.29	2.67	17.86
Virginia	2439	230.39	1.27	1483	60.63	2.95	46.87	236.85	1.28	21.05	711	29.55	2.19	33.81	214.41	1.41	28.02
West Virginia	2431	224.85	1.20	1200	48.71	2.15	62.00	231.98	1.21	61.90	1118	46.59	2.10	62.00	217.32	1.45	57.86
Wyoming	1739	229.25	1.30	1061	60.18	3.05	19.62	234.37	1.44	24.17	546	32.11	2.13	19.04	220.17	1.92	28.89
Dist. Of Columbia	2297	193.29	1.17	285	11.29	0.60	15.99	219.34	2.89	15.66	1607	70.75	1.31	8.68	187.93	1.43	41.80
DoDEA/DDESS	1334	228.02	1.18	652	48.61	1.29	34.48	231.26	1.59	29.44	507	38.31	1.40	39.16	223.68	1.77	27.35
DoDEA/DoDDS	2786	227.59	0.73	1366	49.42	1.22	26.26	228.89	0.97	62.00	566	20.21	0.82	42.45	222.37	1.13	61.07
Guam	1012	184.30	2.34	413	38.64	2.37	15.95	193.82	3.13	23.27	556	56.00	1.89	22.85	176.45	2.87	32.33

NAEP 1996 GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:

Percentages and Average Scale Scores for Students Eligible and Not Eligible for School Lunch Program

	Total			SCHOOL LUNCH NOT ELIGIBLE							SCHOOL LUNCH ELIGIBLE						
	N	Mean	SE	N	Pct	SE	DF	Mean	SE	DF	N	Pct	SE	DF	Mean	SE	DF
Nation	5215	222.34	1.03	2587	52.33	2.53	30.45	230.65	1.06	34.17	1951	34.40	1.60	40.35	206.66	1.96	27.86
Northeast	935	226.37	2.58	501	60.20	4.56	12.53	237.33	1.79	12.96	358	31.30	2.22	18.65	205.27	5.94	7.58
Southeast	1446	215.64	2.49	694	47.85	3.25	21.38	226.56	2.88	5.13	657	46.08	3.28	17.35	203.68	2.00	13.09
Central	1150	230.03	1.98	485	48.72	7.55	12.14	233.89	2.34	15.97	320	25.34	3.95	8.40	215.77	3.41	7.92
West	1684	218.73	2.05	907	52.99	4.05	13.12	226.33	1.71	15.49	616	35.29	3.22	19.79	205.22	3.64	14.69
Alabama	2541	211.65	1.24	1217	48.00	2.20	37.98	224.22	1.57	26.24	1250	49.08	2.09	36.54	199.20	1.53	29.39
Alaska	2304	223.83	1.26	694	30.30	2.47	16.62	232.53	1.61	26.01	522	24.66	1.99	32.02	207.41	2.91	11.45
Arizona	2113	217.58	1.73	958	44.02	4.23	34.07	230.33	1.56	36.16	771	36.19	2.78	62.00	201.98	1.91	37.54
Arkansas	2047	215.85	1.46	1044	51.72	2.24	44.47	226.94	1.26	38.58	953	45.46	2.12	43.48	203.96	1.50	28.28
California	2063	209.13	1.84	888	40.17	3.06	45.12	222.30	1.94	13.65	840	43.69	2.80	58.39	194.32	2.43	22.20
Colorado	2609	225.81	1.04	1726	65.93	2.61	31.80	232.97	1.04	53.23	749	29.49	1.87	30.97	209.66	1.60	53.01
Connecticut	2565	232.03	1.10	1802	72.09	2.17	18.55	239.99	1.15	28.62	679	24.78	1.38	44.78	206.57	1.75	31.83
Delaware	1984	215.03	0.64	968	47.42	0.81	32.85	226.76	1.01	29.81	576	29.75	0.87	30.52	199.45	1.53	14.65
Florida	2549	215.76	1.16	1240	47.71	2.42	40.74	227.03	1.12	42.79	1186	47.23	2.14	36.37	203.50	1.28	28.49
Georgia	2542	215.46	1.49	1241	49.35	2.63	34.21	226.42	1.69	33.45	1132	43.76	2.19	51.50	201.42	1.44	31.19
Hawaii	2578	214.97	1.45	1478	57.40	2.04	34.93	224.42	1.24	53.88	1030	39.97	1.93	33.43	201.56	2.01	11.17
Indiana	2470	229.39	1.05	1666	69.41	2.23	32.59	236.09	1.11	29.63	751	28.74	1.95	35.89	213.46	1.43	50.71
Iowa	2359	229.13	1.08	1515	64.23	2.49	42.45	234.27	1.14	54.57	719	30.97	2.22	40.99	218.94	1.57	13.02
Kentucky	2579	219.99	1.07	1300	50.94	2.21	50.17	229.90	0.96	39.84	1214	46.53	2.14	44.62	209.25	1.31	40.38
Louisiana	2671	209.02	1.11	847	32.31	2.40	44.66	223.71	1.53	20.82	1569	58.14	2.36	46.55	200.09	1.17	38.96
Maine	2115	232.21	1.02	1315	61.81	2.51	28.06	237.51	1.17	42.43	685	31.89	1.72	44.83	220.53	1.36	38.23
Maryland	2465	220.69	1.56	1549	64.11	2.26	30.00	232.56	1.72	31.18	816	32.13	1.88	31.49	198.96	1.58	30.45
Massachusetts	2497	228.97	1.35	1601	65.78	3.21	41.88	234.62	1.43	22.93	609	23.70	2.43	30.19	213.30	1.37	34.79
Michigan	2382	226.26	1.27	1462	61.81	2.85	20.69	234.21	1.33	50.52	753	30.97	2.05	27.08	209.96	1.72	20.70
Minnesota	2425	232.19	1.08	1617	65.39	2.44	30.87	238.03	1.31	38.34	503	21.66	1.88	14.57	217.62	2.64	6.71
Mississippi	2716	208.43	1.22	918	34.56	2.02	48.63	224.49	1.47	13.61	1766	64.36	2.16	48.14	199.69	1.18	43.65
Missouri	2643	224.73	1.07	1669	62.90	2.08	48.02	233.19	1.00	21.62	946	36.22	2.01	47.71	210.18	1.41	23.50
Montana	2251	227.52	1.23	1368	59.97	2.51	35.84	233.97	1.14	31.60	785	35.17	2.00	57.14	217.20	2.08	27.92
Nebraska	2678	227.54	1.18	1602	57.48	2.52	17.63	234.51	1.26	29.75	857	32.96	1.65	23.17	213.09	1.78	29.36
Nevada	2193	217.62	1.30	604	27.75	3.63	39.63	223.20	2.35	19.49	297	14.81	2.31	29.34	201.81	2.92	21.48
New Jersey	1961	227.24	1.49	1247	65.18	2.32	35.91	237.65	1.37	31.33	671	32.70	2.06	45.55	208.13	2.22	29.83
New Mexico	2389	213.84	1.75	915	36.97	2.75	43.35	226.71	1.31	44.45	1156	50.05	3.01	45.83	202.54	2.18	11.75
New York	2248	222.63	1.24	1070	49.08	3.01	29.66	235.80	1.15	39.87	1025	43.92	1.96	45.25	206.22	1.95	22.58
North Carolina	2658	224.33	1.19	1546	58.22	2.16	33.27	234.13	1.08	33.47	905	34.22	1.53	55.15	209.26	1.73	31.06
North Dakota	2666	230.90	1.23	1722	65.09	2.37	29.68	234.03	1.11	31.73	626	24.33	1.33	48.01	222.75	2.48	9.32
Oregon	2233	223.48	1.35	1353	59.66	3.11	31.24	230.63	1.47	42.23	677	31.16	2.60	33.39	210.08	1.60	40.57
Pennsylvania	2347	226.21	1.23	1317	58.04	3.32	40.27	235.03	1.22	47.89	839	33.08	2.07	46.34	210.86	1.47	34.43
Rhode Island	2461	220.42	1.39	1588	64.93	2.40	34.02	228.97	1.36	28.94	639	33.93	2.29	31.35	204.23	1.81	30.52
South Carolina	2364	213.19	1.30	1098	47.61	1.68	36.35	226.49	1.49	48.71	1260	52.18	1.69	36.58	201.10	1.32	53.83
Tennessee	2473	219.18	1.40	1453	58.97	2.08	58.13	228.78	1.37	37.15	899	36.22	2.63	27.78	203.89	1.72	28.59
Texas	2413	228.71	1.36	1286	51.82	2.97	47.19	239.99	1.40	28.21	990	42.68	3.09	40.52	215.11	1.44	21.56
Utah	2625	226.52	1.15	1618	59.98	2.39	38.58	231.33	1.30	42.25	660	27.00	1.96	40.18	216.20	1.76	26.32
Vermont	2136	224.88	1.22	1378	64.85	2.33	35.57	230.82	1.26	22.42	582	26.34	1.57	43.17	209.92	2.25	23.62
Virginia	2586	222.64	1.36	1685	65.27	2.44	29.72	230.18	1.29	58.00	799	30.57	1.83	47.32	205.77	1.72	29.73
Washington	2640	225.05	1.24	1669	62.20	1.97	46.77	231.52	1.04	38.26	836	32.26	1.71	60.08	211.66	2.01	15.92
West Virginia	2530	223.35	1.01	1242	48.69	1.90	18.11	232.00	1.17	43.08	1175	46.24	1.69	41.98	213.38	1.20	46.05
Wisconsin	2437	231.41	0.96	1542	64.19	3.29	35.33	237.29	1.06	43.21	657	25.47	1.84	30.96	215.46	1.50	23.70
Wyoming	2758	223.20	1.38	1822	64.50	1.96	37.69	228.30	1.28	41.21	858	32.57	1.51	46.92	212.99	2.25	39.70
Dist. Of Columbia	2574	187.13	1.09	569	21.33	0.55	52.48	213.21	1.65	25.99	1875	73.59	0.60	62.00	178.25	1.30	34.62
DoDEA/DDESS	1313	224.20	1.00	501	38.38	0.90	24.29	228.88	1.54	21.55	453	34.60	0.91	25.91	218.03	1.65	12.98
DoDEA/DoDDS	2604	223.22	0.75	941	35.62	1.63	30.29	225.50	1.20	31.58	313	12.01	0.90	27.08	219.70	2.43	19.60
Guam	1431	188.36	1.27	839	58.58	1.38	43.85	195.33	1.80	43.24	503	35.50	1.41	48.27	177.20	1.95	60.55

NAEP 2000 GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:
Average Scale Scores for Students Eligible School Lunch Program and Not Eligible in Public Schools

	Slunch Not Eligible			Slunch Eligible			Gap (Not Eligible - Eligible)				
	Mean	SE	DF	Mean	SE	DF	Mean	SE	DF	SIG_FDR	Sig T-test?
Nation	235.54	1.25	36.81	209.60	0.97	29.95	25.93	1.59	65.42	n/a	>
Northeast	238.68	2.07	10.33	211.62	1.84	28.17	27.06	2.77	26.88	>	>
Southeast	233.30	2.53	10.21	206.06	2.36	11.37	27.24	3.46	21.26	>	>
Central	236.84	1.95	13.66	211.97	1.73	17.96	24.87	2.61	29.70	>	>
West	233.36	2.71	19.85	210.62	1.72	39.34	22.75	3.21	36.09	>	>
Alabama	230.33	1.45	24.12	206.14	1.39	55.90	24.19	2.01	64.80	>	>
Arizona	231.07	2.11	12.29	204.82	1.76	28.82	26.25	2.75	29.17	>	>
Arkansas	228.99	1.13	33.36	205.93	1.34	57.82	23.05	1.76	90.29	>	>
California	229.09	1.64	38.45	200.15	1.89	16.84	28.94	2.50	41.39	>	>
Connecticut	242.11	1.08	43.73	215.76	1.89	19.89	26.35	2.18	33.35	>	>
Georgia	233.15	1.38	44.07	204.15	1.16	57.77	29.00	1.81	93.10	>	>
Hawaii	226.43	1.46	42.60	204.91	1.57	12.63	21.51	2.14	35.88	>	>
Idaho	234.29	1.28	14.25	217.26	1.81	13.42	17.03	2.22	24.41	>	>
Illinois	234.80	2.60	15.86	208.99	1.66	31.61	25.81	3.08	28.98	>	>
Indiana	239.91	1.26	43.82	221.73	1.42	19.28	18.18	1.90	48.12	>	>
Iowa	236.47	1.33	20.15	223.63	1.82	9.30	12.84	2.26	19.38	>	>
Kansas	241.20	1.32	34.68	217.32	2.23	16.64	23.88	2.59	28.64	>	>
Kentucky	231.14	1.19	52.20	209.97	1.36	46.35	21.18	1.81	94.97	>	>
Louisiana	233.22	1.72	23.21	210.44	1.62	23.81	22.78	2.36	46.76	>	>
Maine	234.29	0.89	62.00	222.07	1.38	20.44	12.22	1.64	38.65	>	>
Maryland	233.48	1.37	48.27	204.32	2.02	22.56	29.16	2.44	43.82	>	>
Massachusetts	243.22	1.02	41.69	213.02	1.88	19.33	30.20	2.14	31.25	>	>
Michigan	239.52	1.31	40.31	211.28	1.88	29.58	28.25	2.29	55.59	>	>
Minnesota	240.25	1.01	44.54	219.53	2.65	12.68	20.71	2.84	16.54	>	>
Mississippi	225.67	1.35	25.88	202.47	1.19	36.69	23.20	1.80	57.26	>	>
Missouri	236.80	1.14	29.10	212.73	1.74	28.16	24.07	2.08	48.88	>	>
Montana	236.17	1.83	24.07	217.30	2.48	16.98	18.87	3.08	33.56	>	>
Nebraska	234.55	1.39	16.44	209.80	2.35	24.15	24.75	2.73	37.32	>	>
Nevada	227.55	1.06	40.10	207.74	1.60	24.02	19.81	1.91	44.59	>	>
New Mexico	227.38	1.83	30.09	204.68	2.10	15.04	22.70	2.78	36.05	>	>
New York	238.92	1.93	17.05	213.77	1.35	32.42	25.15	2.36	33.62	>	>
North Carolina	241.10	1.17	45.82	219.95	1.06	35.80	21.15	1.58	81.55	>	>
North Dakota	235.16	0.86	45.93	221.24	2.00	25.36	13.92	2.17	34.98	>	>
Ohio	238.87	1.44	15.11	216.63	1.71	24.35	22.24	2.23	39.30	>	>
Oklahoma	234.16	0.99	41.33	216.67	1.91	6.95	17.49	2.15	11.05	>	>
Oregon	233.96	1.67	46.29	213.24	2.31	20.55	20.72	2.85	42.36	>	>
Rhode Island	236.30	1.12	43.34	205.56	2.08	17.05	30.74	2.36	27.34	>	>
South Carolina	234.78	1.03	45.52	208.28	1.77	9.91	26.51	2.04	17.40	>	>
Tennessee	230.79	1.51	35.17	204.24	1.99	13.52	26.55	2.50	29.71	>	>
Texas	241.98	1.31	36.28	222.30	1.43	20.41	19.68	1.94	49.52	>	>
Utah	232.93	1.07	57.04	214.54	1.99	36.49	18.40	2.26	57.43	>	>
Vermont	237.04	1.80	36.07	216.29	2.67	17.86	20.75	3.22	34.18	>	>
Virginia	236.85	1.28	21.05	214.41	1.41	28.02	22.45	1.91	48.98	>	>
West Virginia	231.98	1.21	61.90	217.32	1.45	57.86	14.66	1.89	114.41	>	>
Wyoming	234.37	1.44	24.17	220.17	1.92	28.89	14.20	2.40	51.21	>	>
Dist. Of Columbia	219.34	2.89	15.66	187.93	1.43	41.80	31.41	3.22	23.73	>	>
DoDEA/DDESS	231.26	1.59	29.44	223.68	1.77	27.35	7.58	2.38	55.71	>	>
DoDEA/DoDDS	228.89	0.97	62.00	222.37	1.13	61.07	6.52	1.49	120.19	>	>
Guam	193.82	3.13	23.27	176.45	2.87	32.33	17.37	4.25	52.27	>	>

2000 S Lunch

NAEP 1996 GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:
Average Scale Scores for Students Eligible School Lunch Program and Not Eligible in Public School

	Slunch Not Eligible			Slunch Eligible			Gap (Not Eligible - Eligible)				
	Mean	SE	DF	Mean	SE	DF	Mean	SE	DF	SIG_FDR	Sig T-test?
Nation	230.65	1.06	34.17	206.66	1.96	27.86	23.99	2.23	43.40	n/a	>
Northeast	237.33	1.79	12.96	205.27	5.94	7.58	32.06	6.20	8.98	>	>
Southeast	226.56	2.88	5.13	203.68	2.00	13.09	22.87	3.50	10.36	>	>
Central	233.89	2.34	15.97	215.77	3.41	7.92	18.13	4.14	15.45	>	>
West	226.33	1.71	15.49	205.22	3.64	14.69	21.11	4.02	20.89	>	>
Alabama	224.22	1.57	26.24	199.20	1.53	29.39	25.03	2.19	55.27	>	>
Alaska	232.53	1.61	26.01	207.41	2.91	11.45	25.12	3.33	18.78	>	>
Arizona	230.33	1.56	36.16	201.98	1.91	37.54	28.35	2.47	71.33	>	>
Arkansas	226.94	1.26	38.58	203.96	1.50	28.28	22.98	1.96	60.25	>	>
California	222.30	1.94	13.65	194.32	2.43	22.20	27.99	3.11	35.83	>	>
Colorado	232.97	1.04	53.23	209.66	1.60	53.01	23.31	1.91	90.96	>	>
Connecticut	239.99	1.15	28.62	206.57	1.75	31.83	33.42	2.09	53.93	>	>
Delaware	226.76	1.01	29.81	199.45	1.53	14.65	27.31	1.83	27.77	>	>
Florida	227.03	1.12	42.79	203.50	1.28	28.49	23.53	1.70	63.72	>	>
Georgia	226.42	1.69	33.45	201.42	1.44	31.19	25.00	2.22	63.60	>	>
Hawaii	224.42	1.24	53.88	201.56	2.01	11.17	22.86	2.36	20.64	>	>
Indiana	236.09	1.11	29.63	213.46	1.43	50.71	22.63	1.81	80.31	>	>
Iowa	234.27	1.14	54.57	218.94	1.57	13.02	15.33	1.94	28.47	>	>
Kentucky	229.90	0.96	39.84	209.25	1.31	40.38	20.64	1.63	73.85	>	>
Louisiana	223.71	1.53	20.82	200.09	1.17	38.96	23.62	1.92	44.21	>	>
Maine	237.51	1.17	42.43	220.53	1.36	38.23	16.98	1.79	77.47	>	>
Maryland	232.56	1.72	31.18	198.96	1.58	30.45	33.60	2.33	61.29	>	>
Massachusetts	234.62	1.43	22.93	213.30	1.37	34.79	21.32	1.99	54.20	>	>
Michigan	234.21	1.33	50.52	209.96	1.72	20.70	24.25	2.17	46.05	>	>
Minnesota	238.03	1.31	38.34	217.62	2.64	6.71	20.41	2.95	10.28	>	>
Mississippi	224.49	1.47	13.61	199.69	1.18	43.65	24.81	1.88	32.59	>	>
Missouri	233.19	1.00	21.62	210.18	1.41	23.50	23.01	1.73	41.63	>	>
Montana	233.97	1.14	31.60	217.20	2.08	27.92	16.77	2.37	43.77	>	>
Nebraska	234.51	1.26	29.75	213.09	1.78	29.36	21.42	2.18	53.10	>	>
Nevada	223.20	2.35	19.49	201.81	2.92	21.48	21.39	3.75	39.86	>	>
New Jersey	237.65	1.37	31.33	206.13	2.22	29.83	31.53	2.61	49.89	>	>
New Mexico	226.71	1.31	44.45	202.54	2.18	11.75	24.17	2.54	21.05	>	>
New York	235.80	1.15	39.87	206.22	1.95	22.58	29.57	2.26	38.23	>	>
North Carolina	234.13	1.08	33.47	209.26	1.73	31.06	24.87	2.04	52.77	>	>
North Dakota	234.03	1.11	31.73	222.75	2.48	9.32	11.27	2.71	13.26	>	>
Oregon	230.63	1.47	42.23	210.08	1.60	40.57	20.55	2.18	81.89	>	>
Pennsylvania	235.03	1.22	47.89	210.86	1.47	34.43	24.17	1.91	73.08	>	>
Rhode Island	228.97	1.36	28.94	204.23	1.81	30.52	24.74	2.26	55.82	>	>
South Carolina	226.49	1.49	48.71	201.10	1.32	53.83	25.39	1.99	99.71	>	>
Tennessee	228.78	1.37	37.15	203.89	1.72	28.59	24.88	2.20	58.39	>	>
Texas	239.99	1.40	28.21	215.11	1.44	21.58	24.88	2.01	48.53	>	>
Utah	231.33	1.30	42.25	216.20	1.76	26.32	15.13	2.19	53.00	>	>
Vermont	230.82	1.26	22.42	209.92	2.25	23.62	20.89	2.58	36.93	>	>
Virginia	230.18	1.29	58.00	205.77	1.72	29.73	24.41	2.15	62.39	>	>
Washington	231.52	1.04	38.26	211.66	2.01	15.92	19.86	2.26	24.89	>	>
West Virginia	232.00	1.17	43.08	213.38	1.20	46.05	18.62	1.67	89.12	>	>
Wisconsin	237.29	1.06	43.21	215.46	1.50	23.70	21.83	1.84	46.93	>	>
Wyoming	228.30	1.28	41.21	212.99	2.25	39.70	15.31	2.59	63.27	>	>
Dist. Of Columbia	213.21	1.65	25.99	178.25	1.30	34.62	34.96	2.10	52.90	>	>
DoDEA/DDESS	228.88	1.54	21.55	218.03	1.65	12.98	10.85	2.26	31.22	>	>
DoDEA/DoDDS	225.50	1.20	31.58	219.70	2.43	19.60	5.79	2.71	29.27	>	>
Guam	195.33	1.80	43.24	177.20	1.95	60.55	18.14	2.66	102.96	>	>

1996 S Lunch

NAEP GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:
Change in Average Scale Score Gap Between Student Eligible and Not Eligible for School Lunch Program from 1996 to 2000 in Public School

	2000			1996			2000-1996 Change in Gap		
	Mean	Pooled SE	Pooled DF	Mean	Pooled SE	Pooled DF	Difference	Sig FDR?	Sig T-test?
Nation	25.93	1.59	65.42	23.99	2.23	43.40	1.94	n/a	
Northeast	27.06	2.77	26.88	32.06	6.20	8.98	-5.00		
Southeast	27.24	3.46	21.26	22.87	3.50	10.36	4.37		
Central	24.87	2.61	29.70	18.13	4.14	15.45	6.75		
West	22.75	3.21	36.09	21.11	4.02	20.89	1.64		
Alabama	24.19	2.01	64.80	25.03	2.19	55.27	-0.84		
Arizona	26.25	2.75	29.17	28.35	2.47	71.33	-2.10		
Arkansas	23.05	1.76	90.29	22.98	1.96	60.25	0.08		
California	28.94	2.50	41.39	27.99	3.11	35.83	0.96		
Connecticut	26.35	2.18	33.35	33.42	2.09	53.93	-7.07		<
Georgia	29.00	1.81	93.10	25.00	2.22	63.60	4.00		
Hawaii	21.51	2.14	35.88	22.86	2.36	20.64	-1.35		
Indiana	18.18	1.90	48.12	22.63	1.81	80.31	-4.45		
Iowa	12.84	2.26	19.38	15.33	1.94	28.47	-2.49		
Kentucky	21.18	1.81	94.97	20.64	1.63	73.85	0.53		
Louisiana	22.78	2.36	46.76	23.62	1.92	44.21	-0.84		
Maine	12.22	1.64	38.65	16.98	1.79	77.47	-4.76		
Maryland	29.16	2.44	43.82	33.60	2.33	61.29	-4.45		
Massachusetts	30.20	2.14	31.25	21.32	1.99	54.20	8.88		>
Michigan	28.25	2.29	55.59	24.25	2.17	46.05	4.00		
Minnesota	20.71	2.84	16.54	20.41	2.95	10.28	0.31		
Mississippi	23.20	1.80	57.26	24.81	1.88	32.59	-1.61		
Missouri	24.07	2.08	48.88	23.01	1.73	41.63	1.06		
Montana	18.87	3.08	33.56	16.77	2.37	43.77	2.09		
Nebraska	24.75	2.73	37.32	21.42	2.18	53.10	3.33		
Nevada	19.81	1.91	44.59	21.39	3.75	39.86	-1.58		
New Mexico	22.70	2.78	36.05	24.17	2.54	21.05	-1.47		
New York	25.15	2.36	33.62	29.57	2.26	38.23	-4.42		
North Carolina	21.15	1.58	81.55	24.87	2.04	52.77	-3.72		
North Dakota	13.92	2.17	34.98	11.27	2.71	13.26	2.65		
Oregon	20.72	2.85	42.36	20.55	2.18	81.89	0.17		
Rhode Island	30.74	2.36	27.34	24.74	2.26	55.82	6.01		
South Carolina	26.51	2.04	17.40	25.39	1.99	99.71	1.12		
Tennessee	26.55	2.50	29.71	24.88	2.20	58.39	1.67		
Texas	19.68	1.94	49.52	24.88	2.01	48.53	-5.20		
Utah	18.40	2.26	57.43	15.13	2.19	53.00	3.27		
Vermont	20.75	3.22	34.18	20.89	2.58	36.93	-0.14		
Virginia	22.45	1.91	48.98	24.41	2.15	62.39	-1.97		
West Virginia	14.66	1.89	114.41	18.62	1.67	89.12	-3.96		
Wyoming	14.20	2.40	51.21	15.31	2.59	63.27	-1.11		
Dist. Of Columbia	31.41	3.22	23.73	34.96	2.10	52.90	-3.55		
DoDEA/DDESS	7.58	2.38	55.71	10.85	2.26	31.22	-3.27		
DoDEA/DoDDS	6.52	1.49	120.19	5.79	2.71	29.27	0.73		
Guam	17.37	4.25	52.27	18.14	2.66	102.96	-0.77		

2000-1996 Gap Differences

NAEP 2000 GRADE 4 NATIONAL AND STATE MATH ASSESSMENT: Significant Test Calculation for Change in Average Scale Score between Student Eligible and Not Eligible for School Lunch Program

2000 SLunch Not Eligible				2000 SLunch Eligible				Pooled		T Test			Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	235.54	1.25	36.81	Nation	209.60	0.97	29.95	1.59	65.42	16.3605	0.0000	YES >				
Northeast	238.68	2.07	10.33	Northeast	211.62	1.84	28.17	2.77	26.88	9.7579	0.0000	YES >	2	0.5000	0.0250	SIG_FDR >
Southeast	233.30	2.53	10.21	Southeast	206.06	2.36	11.37	3.46	21.26	7.8838	0.0000	YES >	4	1.0000	0.0500	SIG_FDR >
Central	236.84	1.95	13.66	Central	211.97	1.73	17.96	2.61	29.70	9.5425	0.0000	YES >	1	0.2500	0.0125	SIG_FDR >
West	233.36	2.71	19.85	West	210.62	1.72	39.34	3.21	36.09	7.0911	0.0000	YES >	3	0.7500	0.0375	SIG_FDR >
Alabama	230.33	1.45	24.12	Alabama	206.14	1.39	55.90	2.01	64.80	12.0507	0.0000	YES >	6	0.2308	0.0115	SIG_FDR >
Arizona	231.07	2.11	12.29	Arizona	204.82	1.76	28.82	2.75	29.17	9.5544	0.0000	YES >	26	1.0000	0.0500	SIG_FDR >
Arkansas	228.99	1.13	33.36	Arkansas	205.93	1.34	57.82	1.76	90.29	13.1305	0.0000	YES >	2	0.0769	0.0038	SIG_FDR >
California	229.09	1.64	38.45	California	200.15	1.89	16.84	2.50	41.39	11.5743	0.0000	YES >	12	0.4615	0.0231	SIG_FDR >
Connecticut	242.11	1.08	43.73	Connecticut	215.76	1.89	19.89	2.18	33.35	12.1143	0.0000	YES >	13	0.5000	0.0250	SIG_FDR >
Georgia	233.15	1.38	44.07	Georgia	204.15	1.16	57.77	1.81	93.10	16.0656	0.0000	YES >	1	0.0385	0.0019	SIG_FDR >
Hawaii	226.43	1.46	42.60	Hawaii	204.91	1.57	12.63	2.14	35.88	10.0361	0.0000	YES >	22	0.8462	0.0423	SIG_FDR >
Idaho	234.29	1.28	14.25	Idaho	217.26	1.81	13.42	2.22	24.41	7.6857	0.0000	YES >	34	1.3077	0.0654	SIG_FDR >
Illinois	234.80	2.60	15.86	Illinois	208.99	1.66	31.61	3.08	28.98	8.3676	0.0000	YES >	31	1.1923	0.0596	SIG_FDR >
Indiana	239.91	1.26	43.82	Indiana	221.73	1.42	19.28	1.90	48.12	9.5715	0.0000	YES >	17	0.6538	0.0327	SIG_FDR >
Iowa	236.47	1.33	20.15	Iowa	223.63	1.82	9.30	2.26	19.38	5.6862	0.0000	YES >	41	1.5769	0.0788	SIG_FDR >
Kansas	241.20	1.32	34.68	Kansas	217.32	2.23	16.64	2.59	28.64	9.2099	0.0000	YES >	28	1.0769	0.0538	SIG_FDR >
Kentucky	231.14	1.19	52.20	Kentucky	209.97	1.36	46.35	1.81	94.97	11.7254	0.0000	YES >	4	0.1538	0.0077	SIG_FDR >
Louisiana	233.22	1.72	23.21	Louisiana	210.44	1.62	23.81	2.36	46.76	9.6412	0.0000	YES >	18	0.6923	0.0346	SIG_FDR >
Maine	234.29	0.89	62.00	Maine	222.07	1.38	20.44	1.64	38.65	7.4559	0.0000	YES >	33	1.2692	0.0635	SIG_FDR >
Maryland	233.48	1.37	48.27	Maryland	204.32	2.02	22.56	2.44	43.82	11.9365	0.0000	YES >	10	0.3846	0.0192	SIG_FDR >
Massachusetts	243.22	1.02	41.69	Massachusetts	213.02	1.88	19.33	2.14	31.25	14.1242	0.0000	YES >	11	0.4231	0.0212	SIG_FDR >
Michigan	239.52	1.31	40.31	Michigan	211.28	1.88	29.58	2.29	55.59	12.3161	0.0000	YES >	7	0.2692	0.0135	SIG_FDR >
Minnesota	240.25	1.01	44.54	Minnesota	219.53	2.65	12.68	2.84	16.54	7.3002	0.0000	YES >	39	1.5000	0.0750	SIG_FDR >
Mississippi	225.67	1.35	25.88	Mississippi	202.47	1.19	36.69	1.80	57.26	12.8869	0.0000	YES >	5	0.1923	0.0096	SIG_FDR >
Missouri	236.80	1.14	29.10	Missouri	212.73	1.74	28.16	2.08	48.88	11.5631	0.0000	YES >	9	0.3462	0.0173	SIG_FDR >
Montana	236.17	1.83	24.07	Montana	217.30	2.48	16.98	3.08	33.56	6.1195	0.0000	YES >	38	1.4615	0.0731	SIG_FDR >
Nebraska	234.55	1.39	16.44	Nebraska	209.80	2.35	24.15	2.73	37.32	9.0596	0.0000	YES >	25	0.9615	0.0481	SIG_FDR >
Nevada	227.55	1.06	40.10	Nevada	207.74	1.60	24.02	1.91	44.59	10.3488	0.0000	YES >	15	0.5769	0.0288	SIG_FDR >
New Mexico	227.38	1.83	30.09	New Mexico	204.68	2.10	15.04	2.78	36.05	8.1518	0.0000	YES >	29	1.1154	0.0558	SIG_FDR >
New York	238.92	1.93	17.05	New York	213.77	1.35	32.42	2.36	33.62	10.6574	0.0000	YES >	20	0.7692	0.0385	SIG_FDR >
North Carolina	241.10	1.17	45.82	North Carolina	219.95	1.06	35.80	1.58	81.55	13.4044	0.0000	YES >	3	0.1154	0.0058	SIG_FDR >
North Dakota	235.16	0.86	45.93	North Dakota	221.24	2.00	25.36	2.17	34.98	6.4064	0.0000	YES >	36	1.3846	0.0692	SIG_FDR >
Ohio	238.87	1.44	15.11	Ohio	216.63	1.71	24.35	2.23	39.30	9.9505	0.0000	YES >	19	0.7308	0.0365	SIG_FDR >
Oklahoma	234.16	0.99	41.33	Oklahoma	216.67	1.91	6.95	2.15	11.05	8.1180	0.0000	YES >	40	1.5385	0.0769	SIG_FDR >
Oregon	233.96	1.67	46.29	Oregon	213.24	2.31	20.55	2.85	42.36	7.2710	0.0000	YES >	32	1.2308	0.0615	SIG_FDR >
Rhode Island	236.30	1.12	43.34	Rhode Island	205.56	2.08	17.05	2.36	27.34	13.0121	0.0000	YES >	16	0.6154	0.0308	SIG_FDR >
South Carolina	234.78	1.03	45.52	South Carolina	208.28	1.77	9.91	2.04	17.40	12.9644	0.0000	YES >	27	1.0385	0.0519	SIG_FDR >
Tennessee	230.79	1.51	35.17	Tennessee	204.24	1.99	13.52	2.50	29.71	10.6248	0.0000	YES >	23	0.8846	0.0442	SIG_FDR >
Texas	241.98	1.31	36.28	Texas	222.30	1.43	20.41	1.94	49.52	10.1620	0.0000	YES >	14	0.5385	0.0269	SIG_FDR >
Utah	232.93	1.07	57.04	Utah	214.54	1.99	36.49	2.26	57.43	8.1461	0.0000	YES >	24	0.9231	0.0462	SIG_FDR >
Vermont	237.04	1.80	36.07	Vermont	216.29	2.67	17.86	3.22	34.18	6.4459	0.0000	YES >	35	1.3462	0.0673	SIG_FDR >
Virginia	236.85	1.28	21.05	Virginia	214.41	1.41	28.02	1.91	48.98	11.7745	0.0000	YES >	8	0.3077	0.0154	SIG_FDR >
West Virginia	231.98	1.21	61.90	West Virginia	217.32	1.45	57.86	1.89	114.41	7.7746	0.0000	YES >	21	0.8077	0.0404	SIG_FDR >
Wyoming	234.37	1.44	24.17	Wyoming	220.17	1.92	28.89	2.40	51.21	5.9206	0.0000	YES >	37	1.4231	0.0712	SIG_FDR >
Dist. Of Columbia	219.34	2.89	15.66	Dist. Of Columbia	187.93	1.43	41.80	3.22	23.73	9.7541	0.0000	YES >	30	1.1538	0.0577	SIG_FDR >
DoDEA/DDESS	231.26	1.59	29.44	DoDEA/DDESS	223.68	1.77	27.35	2.38	55.71	3.1887	0.0024	YES >	44	1.6923	0.0846	SIG_FDR >
DoDEA/DoDDS	228.89	0.97	62.00	DoDEA/DoDDS	222.37	1.13	61.07	1.49	120.19	4.3885	0.0000	YES >	42	1.6154	0.0808	SIG_FDR >
Guam	193.82	3.13	23.27	Guam	176.45	2.87	32.33	4.25	52.27	4.0837	0.0002	YES >	43	1.6538	0.0827	SIG_FDR >

NAEP 1996 GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:

Significant Test Calculation for Change in Average Scale Score between Student Eligible and Not Eligible for School Lunch Program

1996 SLunch Not Eligible				1996 SLunch Eligible				Pooled		T Test			Test #	Multiplicative factor	Adjusted Alpha	SIG_FDR
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig				
Nation	230.65	1.06	34.17	Nation	206.66	1.96	27.88	2.23	43.40	10.7597	0.0000	YES >				
Northeast	237.33	1.79	12.96	Northeast	205.27	5.94	7.58	6.20	8.98	5.1695	0.0009	YES >	4	2.0000	0.1000	SIG_FDR >
Southeast	226.56	2.88	5.13	Southeast	203.68	2.00	13.09	3.50	10.36	6.5291	0.0001	YES >	2	1.0000	0.0500	SIG_FDR >
Central	233.89	2.34	15.97	Central	215.77	3.41	7.92	4.14	15.45	4.3806	0.0005	YES >	3	1.5000	0.0750	SIG_FDR >
West	226.33	1.71	15.49	West	205.22	3.64	14.69	4.02	20.89	5.2454	0.0000	YES >	1	0.5000	0.0250	SIG_FDR >
Alabama	224.22	1.57	26.24	Alabama	199.20	1.53	29.39	2.19	55.27	11.4066	0.0000	YES >	20	0.4762	0.0238	SIG_FDR >
Alaska	232.53	1.61	26.01	Alaska	207.41	2.91	11.45	3.33	18.78	7.5423	0.0000	YES >	42	1.0000	0.0500	SIG_FDR >
Arizona	230.33	1.56	36.16	Arizona	201.98	1.91	37.54	2.47	71.33	11.4746	0.0000	YES >	11	0.2619	0.0131	SIG_FDR >
Arkansas	226.94	1.26	38.58	Arkansas	203.96	1.50	28.28	1.96	60.25	11.7346	0.0000	YES >	12	0.2857	0.0143	SIG_FDR >
California	222.30	1.94	13.65	California	194.32	2.43	22.20	3.11	35.83	9.0106	0.0000	YES >	32	0.7619	0.0381	SIG_FDR >
Colorado	232.97	1.04	53.23	Colorado	209.66	1.60	53.01	1.91	90.99	12.2056	0.0000	YES >	5	0.1190	0.0060	SIG_FDR >
Connecticut	239.99	1.15	28.62	Connecticut	208.57	1.75	31.83	2.09	53.93	15.9800	0.0000	YES >	3	0.0714	0.0036	SIG_FDR >
Delaware	226.76	1.01	29.81	Delaware	199.45	1.53	14.65	1.83	27.77	14.9050	0.0000	YES >	28	0.6667	0.0333	SIG_FDR >
Florida	227.03	1.12	42.79	Florida	203.50	1.28	28.49	1.70	63.72	13.8402	0.0000	YES >	6	0.1429	0.0071	SIG_FDR >
Georgia	226.42	1.69	33.45	Georgia	201.42	1.44	31.19	2.22	63.60	11.2577	0.0000	YES >	15	0.3571	0.0179	SIG_FDR >
Hawaii	224.42	1.24	53.88	Hawaii	201.56	2.01	11.17	2.38	20.64	9.6775	0.0000	YES >	36	0.8571	0.0429	SIG_FDR >
Indiana	236.09	1.11	29.63	Indiana	213.46	1.43	50.71	1.81	80.31	12.5265	0.0000	YES >	7	0.1667	0.0083	SIG_FDR >
Iowa	234.27	1.14	54.57	Iowa	218.94	1.57	13.02	1.94	28.47	7.9000	0.0000	YES >	40	0.9524	0.0476	SIG_FDR >
Kentucky	229.90	0.96	39.84	Kentucky	209.25	1.31	40.36	1.63	73.85	12.6668	0.0000	YES >	8	0.1905	0.0095	SIG_FDR >
Louisiana	223.71	1.53	20.82	Louisiana	200.09	1.17	38.96	1.92	44.21	12.2712	0.0000	YES >	21	0.5000	0.0250	SIG_FDR >
Maine	237.51	1.17	42.43	Maine	220.53	1.36	38.23	1.79	77.47	9.4621	0.0000	YES >	29	0.6905	0.0345	SIG_FDR >
Maryland	232.56	1.72	31.18	Maryland	198.96	1.58	30.45	2.33	61.29	14.4158	0.0000	YES >	4	0.0952	0.0048	SIG_FDR >
Massachusetts	234.62	1.43	22.93	Massachusetts	213.30	1.37	34.79	1.99	54.20	10.7405	0.0000	YES >	25	0.5952	0.0298	SIG_FDR >
Michigan	234.21	1.33	50.52	Michigan	209.96	1.72	20.70	2.17	46.05	11.1691	0.0000	YES >	26	0.6190	0.0310	SIG_FDR >
Minnesota	238.03	1.31	38.34	Minnesota	217.62	2.64	6.71	2.95	10.26	6.9206	0.0000	YES >	45	1.0714	0.0536	SIG_FDR >
Mississippi	224.49	1.47	13.61	Mississippi	199.69	1.18	43.65	1.88	32.59	13.1957	0.0000	YES >	30	0.7143	0.0357	SIG_FDR >
Missouri	233.19	1.00	21.62	Missouri	210.18	1.41	23.50	1.73	41.63	13.3224	0.0000	YES >	17	0.4048	0.0202	SIG_FDR >
Montana	233.97	1.14	31.60	Montana	217.20	2.08	27.92	2.37	43.77	7.0672	0.0000	YES >	39	0.9286	0.0464	SIG_FDR >
Nebraska	234.51	1.26	29.75	Nebraska	213.09	1.78	29.36	2.18	53.10	9.8371	0.0000	YES >	31	0.7381	0.0369	SIG_FDR >
Nevada	223.20	2.35	19.49	Nevada	201.81	2.92	21.48	3.75	39.86	5.7122	0.0000	YES >	43	1.0238	0.0512	SIG_FDR >
New Jersey	237.65	1.37	31.33	New Jersey	208.13	2.22	29.83	2.61	49.89	12.0781	0.0000	YES >	19	0.4524	0.0226	SIG_FDR >
New Mexico	226.71	1.31	44.45	New Mexico	202.54	2.18	11.75	2.54	21.05	9.5125	0.0000	YES >	35	0.8333	0.0417	SIG_FDR >
New York	235.80	1.15	39.87	New York	206.22	1.95	22.58	2.26	38.23	13.0624	0.0000	YES >	23	0.5476	0.0274	SIG_FDR >
North Carolina	234.13	1.08	33.47	North Carolina	209.26	1.73	31.06	2.04	52.77	12.2010	0.0000	YES >	13	0.3095	0.0155	SIG_FDR >
North Dakota	234.03	1.11	31.73	North Dakota	222.75	2.48	9.32	2.71	13.26	4.1552	0.0011	YES >	46	1.0952	0.0548	SIG_FDR >
Oregon	230.63	1.47	42.23	Oregon	210.08	1.60	40.57	2.18	81.89	9.4373	0.0000	YES >	27	0.6429	0.0321	SIG_FDR >
Pennsylvania	235.03	1.22	47.89	Pennsylvania	210.86	1.47	34.43	1.91	73.08	12.6518	0.0000	YES >	9	0.2143	0.0107	SIG_FDR >
Rhode Island	228.97	1.36	28.94	Rhode Island	204.23	1.81	30.52	2.26	55.82	10.9327	0.0000	YES >	24	0.5714	0.0286	SIG_FDR >
South Carolina	226.49	1.49	48.71	South Carolina	201.10	1.32	53.83	1.99	99.71	12.7415	0.0000	YES >	1	0.0238	0.0012	SIG_FDR >
Tennessee	228.78	1.37	37.15	Tennessee	203.89	1.72	28.59	2.20	58.39	11.3193	0.0000	YES >	18	0.4286	0.0214	SIG_FDR >
Texas	239.99	1.40	28.21	Texas	215.11	1.44	21.58	2.01	48.53	12.3983	0.0000	YES >	16	0.3810	0.0190	SIG_FDR >
Utah	231.33	1.30	42.25	Utah	216.20	1.76	26.32	2.19	53.00	6.9101	0.0000	YES >	38	0.9048	0.0452	SIG_FDR >
Vermont	230.82	1.26	22.42	Vermont	209.92	2.25	23.62	2.58	36.93	8.1027	0.0000	YES >	34	0.8095	0.0405	SIG_FDR >
Virginia	230.18	1.29	58.00	Virginia	205.77	1.72	29.73	2.15	82.39	11.3555	0.0000	YES >	14	0.3333	0.0167	SIG_FDR >
Washington	231.52	1.04	38.26	Washington	211.66	2.01	15.92	2.26	24.89	8.7680	0.0000	YES >	37	0.8810	0.0440	SIG_FDR >
West Virginia	232.00	1.17	43.08	West Virginia	213.38	1.20	46.05	1.67	89.12	11.1351	0.0000	YES >	10	0.2381	0.0119	SIG_FDR >
Wisconsin	237.29	1.06	43.21	Wisconsin	215.46	1.50	23.70	1.84	46.93	11.8907	0.0000	YES >	22	0.5238	0.0262	SIG_FDR >
Wyoming	228.30	1.28	41.21	Wyoming	212.99	2.25	39.70	2.59	63.27	5.9222	0.0000	YES >	41	0.9762	0.0488	SIG_FDR >
Dist. Of Columbia	213.21	1.65	25.99	Dist. Of Columbia	178.25	1.30	34.62	2.10	52.90	16.6766	0.0000	YES >	2	0.0476	0.0024	SIG_FDR >
DoDEA/DDESS	228.88	1.54	21.55	DoDEA/DDESS	218.03	1.85	12.96	2.26	31.22	4.8081	0.0000	YES >	44	1.0476	0.0524	SIG_FDR >
DoDEA/DoDDS	225.50	1.20	31.58	DoDEA/DoDDS	219.70	2.43	19.80	2.71	29.27	2.1385	0.0410	YES >	47	1.1190	0.0560	SIG_FDR >
Guam	195.33	1.80	43.24	Guam	177.20	1.95	60.56	2.66	102.96	6.8275	0.0000	YES >	33	0.7857	0.0393	SIG_FDR >

1996 S Lunch Differences

NAEP GRADE 4 NATIONAL AND STATE MATH ASSESSMENT:

Significant Test Calculation for Change in Average Scale Score for Student Eligible and Not Eligible School Lunch Program from 1996 to 2000

2000 Gap (NE-N)				1996 Gap (NE-E)				Pooled		T- Test			Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	25.93	1.59	65.42	Nation	23.99	2.23	43.40	2.74	84.11	0.7099	0.4797					
Northeast	27.06	2.77	26.88	Northeast	32.06	6.20	8.98	6.79	12.76	-0.7361	0.4758		3	1.5000	0.0750	
Southeast	27.24	3.46	21.26	Southeast	22.87	3.50	10.36	4.92	27.59	0.8876	0.3826		2	1.0000	0.0500	
Central	24.87	2.61	29.70	Central	18.13	4.14	15.45	4.89	27.87	1.3796	0.1790		1	0.5000	0.0250	
West	22.75	3.21	36.09	West	21.11	4.02	20.89	5.15	45.29	0.3186	0.7515		4	2.0000	0.1000	
Alabama	24.19	2.01	64.80	Alabama	25.03	2.19	55.27	2.97	116.74	-0.2816	0.7787		30	1.4286	0.0714	
Arizona	26.25	2.75	29.17	Arizona	28.35	2.47	71.33	3.69	75.28	-0.5676	0.5720		21	1.0000	0.0500	
Arkansas	23.05	1.76	90.29	Arkansas	22.98	1.96	60.25	2.63	136.99	0.0295	0.9765		39	1.8571	0.0929	
California	28.94	2.50	41.39	California	27.99	3.11	35.83	3.99	71.38	0.2403	0.8108		32	1.5238	0.0762	
Connecticut	26.35	2.18	33.35	Connecticut	33.42	2.09	53.93	3.02	80.80	-2.3416	0.0217	YES <	2	0.0952	0.0048	
Georgia	29.00	1.81	93.10	Georgia	25.00	2.22	63.60	2.86	135.12	1.3986	0.1642		9	0.4286	0.0214	
Hawaii	21.51	2.14	35.88	Hawaii	22.86	2.36	20.64	3.19	49.36	-0.4232	0.6740		24	1.1429	0.0571	
Indiana	18.18	1.90	48.12	Indiana	22.63	1.81	80.31	2.62	117.12	-1.6971	0.0923		6	0.2857	0.0143	
Iowa	12.84	2.26	19.38	Iowa	15.33	1.94	28.47	2.98	42.70	-0.8351	0.4084		17	0.8095	0.0405	
Kentucky	21.18	1.81	94.97	Kentucky	20.64	1.63	73.85	2.43	168.73	0.2199	0.8262		34	1.6190	0.0810	
Louisiana	22.78	2.36	46.76	Louisiana	23.62	1.92	44.21	3.05	88.29	-0.2765	0.7828		31	1.4762	0.0738	
Maine	12.22	1.64	38.65	Maine	16.98	1.79	77.47	2.43	108.84	-1.9598	0.0526		3	0.1429	0.0071	
Maryland	29.16	2.44	43.82	Maryland	33.60	2.33	61.29	3.38	100.42	-1.3165	0.1910		11	0.5238	0.0262	
Massachusetts	30.20	2.14	31.25	Massachusetts	21.32	1.99	54.20	2.92	75.85	3.0440	0.0032	YES >	1	0.0476	0.0024	
Michigan	28.25	2.29	55.59	Michigan	24.25	2.17	46.05	3.16	101.48	1.2660	0.2084		12	0.5714	0.0286	
Minnesota	20.71	2.84	16.54	Minnesota	20.41	2.95	10.28	4.09	24.88	0.0746	0.9412		36	1.7143	0.0857	
Mississippi	23.20	1.80	57.26	Mississippi	24.81	1.88	32.59	2.60	80.98	-0.6198	0.5372		20	0.9524	0.0476	
Missouri	24.07	2.08	48.88	Missouri	23.01	1.73	41.63	2.70	89.52	0.3929	0.6954		25	1.1905	0.0595	
Montana	18.87	3.08	33.56	Montana	16.77	2.37	43.77	3.89	67.06	0.5380	0.5923		22	1.0476	0.0524	
Nebraska	24.75	2.73	37.32	Nebraska	21.42	2.18	53.10	3.49	77.74	0.9537	0.3432		15	0.7143	0.0357	
Nevada	19.81	1.91	44.59	Nevada	21.39	3.75	39.86	4.21	59.75	-0.3765	0.7079		28	1.3333	0.0667	
New Mexico	22.70	2.78	36.05	New Mexico	24.17	2.54	21.05	3.77	55.35	-0.3906	0.6976		27	1.2857	0.0643	
New York	25.15	2.38	33.62	New York	29.57	2.26	38.23	3.27	71.05	-1.3508	0.1810		10	0.4762	0.0238	
North Carolina	21.15	1.58	81.55	North Carolina	24.87	2.04	52.77	2.58	109.49	-1.4447	0.1514		8	0.3810	0.0190	
North Dakota	13.92	2.17	34.98	North Dakota	11.27	2.71	13.26	3.48	30.90	0.7620	0.4520		18	0.8571	0.0429	
Oregon	20.72	2.85	42.36	Oregon	20.55	2.18	81.89	3.59	90.34	0.0470	0.9626		37	1.7619	0.0881	
Rhode Island	30.74	2.36	27.34	Rhode Island	24.74	2.26	55.82	3.27	71.18	1.8357	0.0706		5	0.2381	0.0119	
South Carolina	26.51	2.04	17.40	South Carolina	25.39	1.99	99.71	2.85	57.13	0.3925	0.6961		26	1.2381	0.0619	
Tennessee	26.55	2.50	29.71	Tennessee	24.88	2.20	58.39	3.33	71.64	0.5015	0.6176		23	1.0952	0.0548	
Texas	19.68	1.94	49.52	Texas	24.88	2.01	48.53	2.79	97.85	-1.8647	0.0653		4	0.1905	0.0095	
Utah	18.40	2.26	57.43	Utah	15.13	2.19	53.00	3.15	110.42	1.0390	0.3011		13	0.6190	0.0310	
Vermont	20.75	3.22	34.18	Vermont	20.89	2.58	36.93	4.12	66.69	-0.0337	0.9732		38	1.8095	0.0905	
Virginia	22.45	1.91	48.98	Virginia	24.41	2.15	62.39	2.87	111.38	-0.6847	0.4949		19	0.9048	0.0452	
West Virginia	14.66	1.89	114.41	West Virginia	18.62	1.67	89.12	2.52	203.52	-1.5711	0.1177		7	0.3333	0.0167	
Wyoming	14.20	2.40	51.21	Wyoming	15.31	2.59	63.27	3.53	114.38	-0.3150	0.7533		29	1.3810	0.0690	
Dist. Of Columbia	31.41	3.22	23.73	Dist. Of Columbia	34.96	2.10	52.90	3.84	44.51	-0.9227	0.3612		16	0.7619	0.0381	
DoDEA/DDESS	7.58	2.38	55.71	DoDEA/DDESS	10.85	2.26	31.22	3.28	82.22	-0.9983	0.3211		14	0.6667	0.0333	
DoDEA/DoDDS	6.52	1.49	120.19	DoDEA/DoDDS	5.79	2.71	29.27	3.09	48.47	0.2357	0.8147		33	1.5714	0.0786	
Guam	17.37	4.25	52.27	Guam	18.14	2.66	102.96	5.01	93.76	-0.1532	0.8786		35	1.6667	0.0833	

2000-1996 Gap Differences

NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:
Change in Average Scores from 1990 to 2000

	2000			1990			2000-1990 Differences		
	Mean	SE	N	Mean	SE	N	Diff	SIG_FDR	Sig T-test?
Nation	274.42	0.84	9353	261.74	1.35	2879	12.67	n/a	>
Northeast	275.43	2.21	1686	269.80	3.28	537	5.64		
Southeast	265.26	1.45	2786	254.24	2.56	755	11.02	>	>
Central	283.05	2.12	1769	264.70	2.35	642	18.35	>	>
West	272.86	1.57	3112	260.60	2.61	945	12.26	>	>
Alabama	262.16	1.78	2327	252.86	1.12	2531	9.30	>	>
Arizona	270.72	1.53	1786	259.59	1.34	2558	11.13	>	>
Arkansas	261.37	1.37	2170	256.21	0.88	2669	5.15	>	>
California	262.17	2.04	1628	256.33	1.29	2424	5.85	>	>
Connecticut	281.90	1.37	2454	269.87	1.02	2672	12.04	>	>
Georgia	266.33	1.25	2513	258.85	1.33	2766	7.48	>	>
Hawaii	262.35	1.36	2277	251.02	0.79	2551	11.33	>	>
Idaho	277.92	1.31	1971	271.45	0.76	2716	6.47	>	>
Illinois	276.91	1.61	1719	260.55	1.72	2683	16.36	>	>
Indiana	283.05	1.45	1855	267.27	1.15	2569	15.79	>	>
Kentucky	271.56	1.40	2294	257.10	1.16	2680	14.47	>	>
Louisiana	258.98	1.50	2359	246.44	1.24	2572	12.54	>	>
Maryland	276.02	1.43	2401	260.77	1.43	2794	15.25	>	>
Michigan	278.45	1.60	1975	264.40	1.20	2587	14.06	>	>
Minnesota	287.65	1.44	1525	275.39	0.94	2584	12.26	>	>
Montana	286.59	1.23	1740	280.50	0.93	2486	6.09	>	>
Nebraska	280.62	1.12	1916	275.67	1.04	2519	4.95	>	>
New Mexico	259.85	1.74	1919	256.42	0.70	2643	3.42		
New York	276.27	2.09	1633	260.80	1.41	2302	15.47	>	>
North Carolina	280.13	1.13	2354	250.35	1.06	2843	29.78	>	>
North Dakota	283.08	1.07	2227	281.10	1.22	2485	1.97		
Ohio	282.67	1.48	2084	263.97	1.03	2673	18.70	>	>
Oklahoma	271.65	1.48	2424	263.18	1.31	2222	8.47	>	>
Oregon	280.64	1.65	1779	271.36	0.97	2708	9.28	>	>
Rhode Island	273.43	1.11	2314	260.04	0.59	2675	13.39	>	>
Texas	274.85	1.47	2317	258.19	1.36	2542	16.66	>	>
Virginia	276.68	1.50	2469	264.27	1.53	2661	12.40	>	>
West Virginia	270.78	1.00	2463	255.90	0.96	2800	14.88	>	>
Wyoming	276.69	1.18	2634	272.15	0.68	2701	4.54	>	>
Dist. Of Columbia	234.43	2.19	1614	231.36	0.87	2135	3.07		
Guam	233.45	2.15	1017	231.82	0.73	1617	1.63		

2000-1990 Avg Differences

NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT: Significant Test Calculation for Change in Average Score from 1990 to 2000

2000				1990				Est.	Pooled		T- Test			FDR Test		
Nation & States	Mean	SE	N	Nation & States	Mean	SE	N	Diff	SE	DF	T Value	Probability	Sig	F. Size	Probability	SIG_FDR
Nation	274.42	0.84	9353	Nation	261.74	1.35	2879	12.67	1.59	94	7.97	0.0000	>	1	0.0000	>
Northeast	275.43	2.21	1686	Northeast	269.80	3.28	537	5.64	3.95	26	1.43	0.1660		4	0.1660	
Southeast	265.26	1.45	2786	Southeast	254.24	2.56	755	11.02	2.94	41	3.75	0.0005	>	4	0.0005	>
Central	283.05	2.12	1769	Central	264.70	2.35	642	18.35	3.16	40	5.80	0.0000	>	4	0.0000	>
West	272.86	1.57	3112	West	260.60	2.61	945	12.26	3.04	36	4.03	0.0003	>	4	0.0003	>
Alabama	262.16	1.78	2327	Alabama	252.86	1.12	2531	9.30	2.10	73	4.43	0.0000	>	37	0.0000	>
Arizona	270.72	1.53	1786	Arizona	259.59	1.34	2558	11.13	2.03	82	5.47	0.0000	>	37	0.0000	>
Arkansas	261.37	1.37	2170	Arkansas	256.21	0.88	2669	5.15	1.63	64	3.17	0.0023	>	37	0.0023	>
California	262.17	2.04	1628	California	256.33	1.29	2424	5.85	2.41	43	2.42	0.0197	>	37	0.0197	>
Connecticut	281.90	1.37	2454	Connecticut	269.87	1.02	2672	12.04	1.71	53	7.05	0.0000	>	37	0.0000	>
Georgia	266.33	1.25	2513	Georgia	258.85	1.33	2766	7.48	1.83	59	4.09	0.0001	>	37	0.0001	>
Hawaii	262.35	1.36	2277	Hawaii	251.02	0.79	2551	11.33	1.58	42	7.18	0.0000	>	37	0.0000	>
Idaho	277.92	1.31	1971	Idaho	271.45	0.78	2716	6.47	1.51	65	4.28	0.0001	>	37	0.0001	>
Illinois	276.91	1.61	1719	Illinois	260.55	1.72	2683	16.36	2.36	70	6.94	0.0000	>	37	0.0000	>
Indiana	283.05	1.45	1855	Indiana	267.27	1.15	2569	15.79	1.85	90	8.53	0.0000	>	37	0.0000	>
Kentucky	271.56	1.40	2294	Kentucky	257.10	1.16	2680	14.47	1.82	74	7.95	0.0000	>	37	0.0000	>
Louisiana	258.98	1.50	2359	Louisiana	246.44	1.24	2572	12.54	1.95	75	6.45	0.0000	>	37	0.0000	>
Maryland	276.02	1.43	2401	Maryland	260.77	1.43	2794	15.25	2.02	84	7.55	0.0000	>	37	0.0000	>
Michigan	278.45	1.60	1975	Michigan	264.40	1.20	2587	14.06	2.00	65	7.03	0.0000	>	37	0.0000	>
Minnesota	287.65	1.44	1525	Minnesota	275.39	0.94	2584	12.26	1.72	46	7.13	0.0000	>	37	0.0000	>
Montana	286.59	1.23	1740	Montana	280.50	0.93	2486	6.09	1.54	59	3.97	0.0002	>	37	0.0002	>
Nebraska	280.62	1.12	1916	Nebraska	275.67	1.04	2519	4.95	1.53	53	3.24	0.0021	>	37	0.0021	>
New Mexico	259.85	1.74	1919	New Mexico	256.42	0.70	2643	3.42	1.87	20	1.83	0.0825		37	0.0825	
New York	276.27	2.09	1633	New York	260.80	1.41	2302	15.47	2.52	49	6.13	0.0000	>	37	0.0000	>
North Carolina	280.13	1.13	2354	North Carolina	250.35	1.06	2843	29.78	1.55	112	19.24	0.0000	>	37	0.0000	>
North Dakota	283.08	1.07	2227	North Dakota	281.10	1.22	2485	1.98	1.62	43	1.22	0.2300		37	0.2300	
Ohio	282.67	1.48	2084	Ohio	263.97	1.03	2673	18.70	1.80	57	10.38	0.0000	>	37	0.0000	>
Oklahoma	271.65	1.48	2424	Oklahoma	263.18	1.31	2222	8.47	1.98	62	4.28	0.0001	>	37	0.0001	>
Oregon	280.64	1.65	1779	Oregon	271.36	0.97	2708	9.28	1.91	74	4.86	0.0000	>	37	0.0000	>
Rhode Island	273.43	1.11	2314	Rhode Island	260.04	0.59	2675	13.39	1.26	41	10.63	0.0000	>	37	0.0000	>
Texas	274.85	1.47	2317	Texas	258.19	1.36	2542	16.66	2.01	62	8.30	0.0000	>	37	0.0000	>
Virginia	276.68	1.50	2469	Virginia	264.27	1.53	2661	12.40	2.15	76	5.78	0.0000	>	37	0.0000	>
West Virginia	270.78	1.00	2463	West Virginia	255.90	0.96	2600	14.88	1.39	99	10.74	0.0000	>	37	0.0000	>
Wyoming	276.69	1.18	2634	Wyoming	272.15	0.68	2701	4.54	1.36	55	3.35	0.0015	>	37	0.0015	>
Dist. Of Columbia	234.43	2.19	1614	Dist. Of Columbia	231.36	0.87	2135	3.07	2.36	19	1.30	0.2080		37	0.2080	
Guam	233.45	2.15	1017	Guam	231.82	0.73	1617	1.63	2.28	8	0.72	0.4937		37	0.4937	

2000-1990 Avg Differences

NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:
Change in Percentage of Students Scoring Proficient and Above from 1990 to 2000

	2000			1990			2000-1990 Differences		
	Pct	SE	N	Pct	SE	N	Diff	SIG_FDR	Sig T-test?
Nation	26.34	1.00	9353	15.14	1.14	2879	11.20	>	>
Northeast	26.69	2.31	1686	20.84	3.20	537	5.85		
Southeast	18.39	1.34	2786	11.70	2.23	755	6.69	>	>
Central	33.22	2.62	1769	14.64	1.33	642	18.58	>	>
West	25.81	1.50	3112	14.81	2.23	945	11.00	>	>
Alabama	16.07	1.59	2327	9.06	0.69	2531	7.01	>	>
Arizona	21.27	1.64	1786	12.71	0.89	2558	8.56	>	>
Arkansas	14.10	1.23	2170	9.31	0.68	2669	4.80	>	>
California	17.61	1.57	1628	12.45	1.15	2424	5.16	>	>
Connecticut	34.00	1.54	2454	21.74	0.94	2672	12.25	>	>
Georgia	18.62	1.12	2513	13.85	1.21	2766	4.77	>	>
Hawaii	15.82	1.02	2277	11.72	0.66	2551	4.10	>	>
Idaho	27.24	1.72	1971	17.93	1.15	2716	9.30	>	>
Illinois	26.85	1.44	1719	14.55	1.26	2683	12.30	>	>
Indiana	31.02	1.89	1855	16.58	1.14	2569	14.44	>	>
Kentucky	20.59	1.47	2294	10.48	0.79	2680	10.11	>	>
Louisiana	11.67	1.25	2359	5.41	0.62	2572	6.26	>	>
Maryland	28.68	1.41	2401	16.56	1.16	2794	12.12	>	>
Michigan	28.47	1.87	1975	15.84	1.16	2587	12.64	>	>
Minnesota	39.61	1.59	1525	23.33	1.17	2584	16.29	>	>
Montana	37.11	1.55	1740	26.73	1.38	2486	10.37	>	>
Nebraska	30.90	1.62	1916	24.43	1.23	2519	6.47	>	>
New Mexico	13.20	0.95	1919	10.22	0.90	2643	2.98	>	>
New York	26.00	1.86	1633	15.33	0.91	2302	10.67	>	>
North Carolina	30.07	1.27	2354	8.67	0.66	2843	21.41	>	>
North Dakota	31.14	1.55	2227	27.29	1.81	2485	3.85		
Ohio	30.76	1.68	2084	14.76	1.11	2673	16.00	>	>
Oklahoma	18.63	1.18	2424	13.33	1.19	2222	5.29	>	>
Oregon	31.61	1.91	1779	20.69	1.11	2708	10.92	>	>
Rhode Island	23.86	1.05	2314	14.52	0.70	2675	9.33	>	>
Texas	24.17	1.44	2317	12.66	1.08	2542	11.51	>	>
Virginia	25.63	1.46	2469	17.29	1.55	2661	8.34	>	>
West Virginia	18.02	0.90	2463	9.26	0.81	2600	8.76	>	>
Wyoming	24.71	1.10	2634	18.54	0.91	2701	6.16	>	>
Dist. Of Columbia	5.88	0.76	1614	3.05	0.55	2135	2.82	>	>
Guam	3.98	0.76	1017	3.75	0.44	1617	0.22		

2000-1990 {ct Differences

NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:

Significant Test Calculation for Change in Percentage of Students Scoring Proficient and Above from 1990 to 2000

2000 Prf				1990 Prf				Est.	Pooled		T- Test			FDR Test		
Nation & States	Pct	SE	N	Nation & States	Pct	SE	N	Diff	SE	DF	T Value	Probability	Sig	F. Size	Probability	SIG_FDR
Nation	26.34	1.00	9353	Nation	15.14	1.14	2879	11.20	1.51	66	7.3991	0.0000	>	1	0.0000	>
Northeast	26.69	2.31	1686	Northeast	20.84	3.20	537	5.85	3.94	19	1.4836	0.1543		4	0.1543	
Southeast	18.39	1.34	2786	Southeast	11.70	2.23	755	6.69	2.60	14	2.5738	0.0221	>	4	0.0221	>
Central	33.22	2.62	1769	Central	14.64	1.33	642	18.58	2.94	39	6.3194	0.0000	>	4	0.0000	>
West	25.81	1.50	3112	West	14.81	2.23	945	11.00	2.69	24	4.0962	0.0004	>	4	0.0004	>
Alabama	16.07	1.59	2327	Alabama	9.06	0.69	2531	7.01	1.74	43	4.0390	0.0002	>	37	0.0002	>
Arizona	21.27	1.64	1786	Arizona	12.71	0.89	2558	8.56	1.86	51	4.5990	0.0000	>	37	0.0000	>
Arkansas	14.10	1.23	2170	Arkansas	9.31	0.68	2669	4.80	1.41	58	3.4051	0.0012	>	37	0.0012	>
California	17.61	1.57	1628	California	12.45	1.15	2424	5.16	1.94	43	2.6549	0.0111	>	37	0.0111	>
Connecticut	34.00	1.54	2454	Connecticut	21.74	0.94	2672	12.25	1.80	68	6.8041	0.0000	>	37	0.0000	>
Georgia	18.62	1.12	2513	Georgia	13.85	1.21	2766	4.77	1.64	27	2.8987	0.0074	>	37	0.0074	>
Hawaii	15.82	1.02	2277	Hawaii	11.72	0.66	2551	4.10	1.21	79	3.3837	0.0011	>	37	0.0011	>
Idaho	27.24	1.72	1971	Idaho	17.93	1.15	2716	9.30	2.07	59	4.5038	0.0000	>	37	0.0000	>
Illinois	26.85	1.44	1719	Illinois	14.55	1.26	2683	12.30	1.91	64	6.4307	0.0000	>	37	0.0000	>
Indiana	31.02	1.89	1855	Indiana	16.58	1.14	2569	14.44	2.21	71	6.5461	0.0000	>	37	0.0000	>
Kentucky	20.59	1.47	2294	Kentucky	10.48	0.79	2680	10.11	1.67	58	6.0562	0.0000	>	37	0.0000	>
Louisiana	11.67	1.25	2359	Louisiana	5.41	0.62	2572	6.26	1.39	40	4.4966	0.0001	>	37	0.0001	>
Maryland	28.68	1.41	2401	Maryland	16.56	1.16	2794	12.12	1.82	87	6.6615	0.0000	>	37	0.0000	>
Michigan	28.47	1.87	1975	Michigan	15.84	1.16	2587	12.64	2.20	59	5.7369	0.0000	>	37	0.0000	>
Minnesota	39.61	1.59	1525	Minnesota	23.33	1.17	2584	16.29	1.97	75	8.2546	0.0000	>	37	0.0000	>
Montana	37.11	1.55	1740	Montana	26.73	1.38	2486	10.38	2.08	89	4.9944	0.0000	>	37	0.0000	>
Nebraska	30.90	1.62	1916	Nebraska	24.43	1.23	2519	6.47	2.03	58	3.1831	0.0023	>	37	0.0023	>
New Mexico	13.20	0.95	1919	New Mexico	10.22	0.90	2643	2.98	1.31	61	2.2679	0.0269	>	37	0.0269	>
New York	26.00	1.86	1633	New York	15.33	0.91	2302	10.67	2.07	74	5.1469	0.0000	>	37	0.0000	>
North Carolina	30.07	1.27	2354	North Carolina	8.67	0.66	2843	21.41	1.43	66	14.9372	0.0000	>	37	0.0000	>
North Dakota	31.14	1.55	2227	North Dakota	27.29	1.81	2485	3.85	2.38	40	1.6138	0.1144		37	0.1144	
Ohio	30.76	1.68	2084	Ohio	14.76	1.11	2673	16.00	2.01	63	7.9550	0.0000	>	37	0.0000	>
Oklahoma	18.63	1.18	2424	Oklahoma	13.33	1.19	2222	5.29	1.68	68	3.1588	0.0024	>	37	0.0024	>
Oregon	31.61	1.91	1779	Oregon	20.69	1.11	2708	10.92	2.21	90	4.9365	0.0000	>	37	0.0000	>
Rhode Island	23.86	1.05	2314	Rhode Island	14.52	0.70	2675	9.33	1.26	99	7.4023	0.0000	>	37	0.0000	>
Texas	24.17	1.44	2317	Texas	12.66	1.08	2542	11.51	1.80	81	6.3901	0.0000	>	37	0.0000	>
Virginia	25.63	1.46	2469	Virginia	17.29	1.55	2661	8.34	2.13	62	3.9160	0.0002	>	37	0.0002	>
West Virginia	18.02	0.90	2463	West Virginia	9.26	0.81	2600	8.76	1.21	64	7.2169	0.0000	>	37	0.0000	>
Wyoming	24.71	1.10	2634	Wyoming	18.54	0.91	2701	6.16	1.42	84	4.3359	0.0000	>	37	0.0000	>
Dist. Of Columbia	5.88	0.76	1614	Dist. Of Columbia	3.05	0.55	2135	2.82	0.94	17	3.0126	0.0078	>	37	0.0078	>
Guam	3.98	0.76	1017	Guam	3.75	0.44	1617	0.22	0.88	58	0.2531	0.8011		37	0.8011	

NAEP 2000 GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:

Average Scale Scores of Public School Students in Each of the Four Performance Quartiles

	Quartile 1				Quartile 2				Quartile 3				Quartile 4				Quartile 4-Quartile 1		
	N	Mean	SE	DF	N	Mean	SE	DF	N	Mean	SE	DF	N	Mean	SE	DF	Mean	Pooled SE	Pooled DF
Nation	2768	227.26	0.70	47.84	2425	263.91	0.40	27.76	2175	287.87	0.38	41.24	1985	318.87	0.66	33.16	91.41	0.96	79.98
Alabama	537	214.95	1.42	29.60	584	251.75	1.12	38.00	594	274.80	0.83	44.19	612	307.17	1.23	34.46	92.22	1.88	61.24
Arizona	399	225.11	1.62	35.59	446	261.24	0.83	37.01	467	283.14	0.73	27.82	474	313.27	1.09	27.41	88.16	1.96	59.22
Arkansas	515	215.45	1.82	29.58	551	252.18	0.89	36.83	550	274.55	1.15	31.83	554	303.05	1.02	35.34	87.60	2.09	47.28
California	361	212.80	2.18	25.57	409	250.38	0.67	31.64	430	275.95	0.96	33.69	428	309.76	1.07	28.56	96.97	2.43	37.50
Connecticut	555	235.25	1.90	5.28	616	272.91	0.65	50.18	638	295.59	0.74	38.04	645	323.97	0.97	42.17	88.72	2.13	8.29
Georgia	614	222.23	1.30	8.93	642	254.70	0.71	50.56	625	278.40	0.79	50.41	632	309.96	0.66	37.76	87.72	1.46	13.79
Hawaii	511	217.64	1.89	25.21	574	252.28	1.07	30.92	606	274.26	1.19	18.40	586	307.08	1.05	25.50	89.44	2.16	39.44
Idaho	417	238.28	2.21	19.24	513	269.29	0.73	40.69	518	289.57	1.09	37.76	523	316.31	0.84	32.73	80.03	2.36	24.92
Illinois	485	234.68	1.94	17.16	430	266.92	0.89	27.88	424	289.01	0.84	24.36	380	317.15	1.08	12.94	82.47	2.22	26.05
Indiana	449	243.84	1.16	31.27	475	274.15	0.66	39.25	467	293.46	0.70	32.29	464	320.87	0.82	47.55	77.04	1.42	60.31
Kansas	423	242.89	1.74	17.90	435	276.31	1.06	45.20	411	296.24	0.60	33.21	407	319.52	1.01	29.36	76.63	2.02	29.90
Kentucky	551	229.87	1.89	14.73	579	262.17	0.74	40.06	581	282.79	0.67	52.06	583	311.45	0.84	37.18	81.58	2.07	20.85
Louisiana	530	216.86	1.86	10.22	579	249.36	0.78	51.21	616	270.22	0.58	25.52	634	299.55	1.31	8.03	82.69	2.27	17.42
Maine	500	244.29	1.57	8.28	538	274.54	0.80	37.83	539	294.05	0.65	27.55	525	321.63	1.08	26.53	77.34	1.91	16.74
Maryland	585	227.55	1.34	23.63	593	264.70	0.60	12.08	608	289.60	0.50	50.25	615	322.30	0.78	23.09	94.75	1.55	38.01
Massachusetts	526	241.02	1.77	14.58	574	274.73	0.63	37.13	593	294.76	0.55	62.00	610	321.97	1.08	31.00	80.95	2.07	25.81
Michigan	497	234.79	1.47	8.80	501	268.82	0.61	30.97	492	290.89	0.95	33.50	485	319.38	1.08	34.50	84.59	1.83	19.41
Minnesota	319	243.89	1.83	31.83	394	281.13	0.65	18.18	403	300.48	0.72	41.65	409	324.99	1.05	29.09	81.10	2.11	50.31
Mississippi	590	212.98	1.67	8.18	601	244.34	1.49	47.16	600	264.67	0.63	43.72	603	294.05	0.94	21.38	81.07	1.92	13.66
Missouri	547	232.09	1.89	41.70	587	265.51	0.66	44.53	596	284.95	0.53	51.60	599	311.74	0.87	49.32	79.65	2.08	58.84
Montana	386	246.48	1.66	21.14	443	278.82	0.68	50.64	458	298.41	0.66	28.04	453	322.81	1.02	16.02	76.33	1.95	33.74
Nebraska	450	237.05	1.48	38.30	489	272.98	0.77	47.90	488	293.05	0.86	54.70	489	319.25	0.88	43.51	82.20	1.72	62.86
Nevada	613	224.24	1.55	18.34	665	257.92	0.99	62.00	667	280.54	0.53	53.01	669	310.03	0.77	35.45	85.80	1.73	27.75
New Mexico	418	214.89	2.67	7.45	495	251.24	0.82	21.48	511	271.49	0.84	50.38	495	301.79	0.92	50.94	86.90	2.83	9.29
New York	398	232.52	2.13	5.48	408	266.95	0.67	34.65	416	288.76	0.69	36.69	411	316.67	1.23	11.17	84.16	2.46	9.19
North Carolina	585	237.54	0.91	52.93	593	269.69	0.81	62.00	584	291.51	0.71	30.90	592	321.76	0.89	36.58	84.21	1.27	87.13
North Dakota	526	244.84	1.70	19.56	564	275.98	1.00	42.08	578	294.00	1.09	24.13	559	317.65	1.31	43.45	72.81	2.14	42.92
Ohio	505	243.28	1.45	17.26	517	273.58	0.69	41.84	535	293.24	0.49	39.98	527	320.55	0.89	36.33	77.28	1.70	30.56
Oklahoma	566	232.82	1.65	16.59	615	263.24	0.74	55.06	619	282.23	0.62	49.03	624	308.24	0.80	62.00	75.42	1.84	24.85
Oregon	398	235.73	1.65	28.44	445	270.85	0.68	44.17	466	293.67	0.87	56.63	470	322.22	1.05	31.66	86.48	1.96	49.09
Rhode Island	549	229.05	1.98	22.22	561	263.42	0.73	53.45	596	285.66	0.85	28.38	608	315.72	1.04	61.99	86.67	2.23	35.35
South Carolina	541	224.72	1.49	13.54	572	255.28	0.62	42.00	591	276.81	0.81	40.29	602	308.75	0.79	28.39	84.03	1.69	21.49
Tennessee	507	216.73	1.90	21.49	560	253.01	0.95	47.19	585	276.26	0.77	53.25	580	307.94	0.98	46.08	91.21	2.14	33.49
Texas	519	231.94	1.81	6.20	592	266.70	0.57	47.62	607	287.02	0.44	35.49	599	313.53	0.94	34.25	81.59	2.04	9.84
Utah	552	231.00	1.83	9.33	619	267.19	0.67	24.69	634	288.42	0.67	56.33	667	315.18	0.72	27.04	84.18	1.97	12.31
Vermont	472	243.43	1.69	16.30	495	273.88	0.95	62.00	516	293.89	0.79	62.00	521	322.49	1.24	23.39	79.06	2.10	32.09
Virginia	604	234.19	1.32	33.81	619	266.38	0.90	62.00	623	287.56	0.66	48.61	623	318.50	1.02	21.06	84.31	1.67	54.84
West Virginia	589	232.90	1.66	35.60	617	261.19	0.63	62.00	632	280.33	0.87	27.67	625	308.80	0.91	53.45	75.90	1.89	56.76
Wyoming	591	235.79	1.94	15.87	673	268.83	1.23	35.57	680	287.49	0.87	43.23	690	314.54	1.13	22.15	78.75	2.24	26.36
American Samoa	104	149.67	6.02	29.98	105	180.63	5.28	42.52	108	207.77	3.45	34.96	108	243.44	7.57	13.24	93.77	9.67	30.00
Dist. Of Columbia	358	188.23	2.53	18.46	415	222.54	2.28	31.72	418	244.36	2.25	31.74	423	282.49	2.45	10.52	94.26	3.52	27.27
DoDEA/DDESS	160	238.44	4.06	37.89	159	265.86	2.10	52.96	160	285.84	2.09	50.54	167	319.19	3.26	33.81	80.74	5.21	69.95
DoDEA/DoDDS	457	240.04	1.79	15.31	497	269.03	1.11	62.00	497	288.29	0.90	43.16	500	315.93	1.11	51.18	75.89	2.11	27.95
Guam	241	187.07	3.37	7.67	256	222.69	2.71	52.99	259	245.40	2.44	62.00	261	278.55	1.38	38.04	91.48	3.65	10.40

NAEP 1990 GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:
Average Scale Scores of Public School Students in Each of the Four Performance Quartiles

	Quartile 1				Quartile 2				Quartile 3				Quartile 4				Quartile 4-Quartile 1		
	N	Mean	SE	DF	N	Mean	SE	DF	N	Mean	SE	DF	N	Mean	SE	DF	Mean	Pooled SE	Pooled DF
Nation	768	215.60	1.41	33.76	719	250.64	0.56	30.14	703	274.71	0.53	21.85	689	305.91	0.93	16.78	90.31	1.69	50.34
Alabama	617	210.36	0.75	37.29	625	241.12	0.66	35.27	644	264.40	0.79	38.97	645	295.64	0.90	52.55	85.27	1.17	89.84
Arizona	651	216.64	1.16	45.52	633	249.00	0.87	43.21	633	270.64	0.56	53.13	641	301.95	0.97	25.61	85.30	1.51	70.34
Arkansas	662	215.90	1.04	32.73	658	245.83	0.52	46.98	671	267.13	0.45	44.38	678	295.95	0.84	62.00	80.05	1.34	72.90
California	602	209.45	0.93	30.21	605	244.41	0.53	45.16	599	268.88	0.47	52.13	618	302.40	1.04	20.76	92.96	1.40	46.74
Colorado	672	225.75	0.66	33.68	666	257.68	0.55	62.00	667	278.72	0.64	48.35	670	307.36	0.67	45.02	81.61	0.94	77.37
Connecticut	626	224.10	0.98	26.73	664	259.09	0.53	55.96	684	282.84	0.58	38.58	698	313.67	0.79	35.77	89.57	1.26	55.13
Delaware	527	216.86	1.24	11.23	525	248.65	0.67	34.68	541	272.26	0.61	24.58	517	304.91	1.09	15.86	88.04	1.65	24.73
Florida	615	210.08	1.21	36.37	624	243.85	0.60	57.03	648	266.51	0.44	53.91	647	300.78	0.94	48.06	90.70	1.53	73.50
Georgia	673	212.96	0.97	22.21	704	246.46	0.49	46.11	696	271.20	0.46	47.18	693	304.89	1.24	4.99	91.93	1.57	11.92
Hawaii	626	202.31	1.02	34.99	655	237.06	0.64	61.97	635	264.28	0.51	52.93	635	300.45	0.88	26.53	98.14	1.34	61.51
Idaho	701	234.31	0.96	12.75	696	262.52	0.60	35.25	680	282.16	0.54	29.38	639	306.72	0.86	20.66	72.41	1.29	29.70
Illinois	676	214.02	1.51	5.45	669	250.51	0.42	60.59	662	273.16	0.42	47.16	676	304.60	1.10	24.31	90.58	1.86	12.00
Indiana	629	226.79	0.94	21.66	645	256.57	0.54	52.43	651	277.79	0.58	61.28	644	307.95	1.03	33.07	81.17	1.39	53.97
Iowa	587	239.53	0.95	19.68	614	268.95	0.55	41.53	628	287.94	0.56	47.50	645	315.39	0.90	27.91	75.86	1.31	45.27
Kentucky	646	217.24	1.11	57.23	667	246.03	0.78	54.54	684	266.63	0.58	22.72	683	298.47	0.92	28.31	81.23	1.44	83.37
Louisiana	651	206.13	1.09	29.74	646	235.51	0.61	52.56	635	256.58	0.48	50.05	640	287.51	0.91	23.61	81.38	1.42	53.17
Maryland	670	212.62	0.82	40.25	692	248.30	0.51	39.98	718	274.11	0.57	36.74	714	308.24	1.11	19.44	95.62	1.38	40.91
Michigan	630	221.61	0.99	24.63	638	253.73	0.53	39.06	656	275.76	0.54	50.14	663	306.44	0.83	31.68	84.83	1.29	51.42
Minnesota	649	234.34	1.11	28.07	632	266.41	0.49	41.66	649	286.78	0.52	41.18	654	314.16	0.68	42.23	79.82	1.30	48.47
Montana	652	244.07	1.09	27.93	607	271.79	0.53	31.59	653	290.17	0.88	22.18	574	315.76	1.05	15.30	71.68	1.51	40.36
Nebraska	625	233.68	1.65	6.82	642	267.02	0.71	36.11	650	287.38	0.59	37.46	602	314.72	0.79	35.03	81.04	1.83	10.16
New Hampshire	626	234.55	1.30	8.03	633	263.58	0.62	42.01	640	283.36	0.71	16.42	669	311.12	1.00	20.13	76.58	1.64	17.84
New Jersey	684	225.42	1.16	21.60	660	258.17	0.71	54.29	683	281.32	0.64	51.71	683	313.81	0.93	27.88	88.40	1.49	43.90
New Mexico	728	216.41	1.01	51.86	658	245.40	0.59	59.13	654	266.59	0.40	39.65	603	297.31	0.89	25.35	80.90	1.35	73.22
New York	509	212.78	1.41	24.79	563	249.75	0.61	39.22	613	273.50	0.57	46.14	617	307.04	0.85	48.46	94.26	1.65	43.25
North Carolina	701	206.50	0.82	23.46	710	238.32	0.68	44.73	719	262.20	0.42	49.08	713	294.25	0.68	28.58	87.75	1.06	48.23
North Dakota	670	243.65	1.19	22.77	598	273.46	0.72	38.57	640	291.09	0.81	45.18	577	316.27	1.12	27.26	72.62	1.64	49.00
Ohio	648	222.62	0.76	46.92	676	253.25	0.68	29.71	681	274.94	0.39	57.61	668	304.99	0.83	36.32	82.38	1.12	79.52
Oklahoma	540	223.69	1.09	31.91	560	253.39	0.64	59.71	571	273.19	0.77	39.36	551	302.43	1.06	30.25	78.74	1.52	62.15
Oregon	676	229.46	0.91	23.49	678	261.05	0.69	54.20	680	282.58	0.46	50.86	674	312.11	0.95	32.88	82.65	1.32	55.52
Pennsylvania	590	223.15	1.05	21.52	634	256.32	0.54	43.33	642	278.41	0.50	54.83	662	307.67	0.78	42.25	84.51	1.31	44.82
Rhode Island	639	214.55	0.97	51.18	675	248.34	0.52	43.48	679	272.50	0.43	28.35	682	304.61	0.66	30.13	90.06	1.18	80.34
Texas	642	214.78	1.30	22.12	644	246.23	0.54	42.87	630	269.45	0.51	48.57	626	302.14	0.80	19.49	87.35	1.52	36.28
Virginia	665	219.67	0.79	31.30	675	250.99	0.81	60.92	668	275.54	0.67	62.00	653	310.88	1.61	15.41	91.19	1.80	23.15
West Virginia	649	216.66	0.93	33.71	651	245.43	0.55	29.66	655	265.34	0.52	30.04	645	296.23	1.01	30.68	79.57	1.37	63.17
Wisconsin	677	232.73	1.18	14.42	688	265.22	0.70	41.23	701	286.03	0.43	62.00	684	313.90	0.81	38.97	81.17	1.43	28.77
Wyoming	682	235.56	0.82	11.89	670	262.95	0.52	55.72	685	282.19	0.57	29.55	664	307.97	0.80	50.28	72.42	1.15	37.24
Dist. Of Columbia	536	193.44	0.94	52.74	533	219.16	1.01	29.24	553	239.19	0.75	30.87	513	273.57	1.57	9.10	80.13	1.83	16.43
Guam	403	186.12	0.95	30.42	403	218.63	0.73	20.05	405	242.96	0.84	23.59	406	279.51	0.78	10.80	93.39	1.23	37.29
Virgin Islands	322	184.46	1.36	22.75	329	208.89	1.15	23.04	333	226.27	0.97	10.59	342	255.20	1.14	12.60	70.74	1.78	34.86

NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:
First Performance Quartile from 1990 to 2000

	2000 Q1			1990 Q1			2000 - 1990		
	Mean	SE	DF	Mean	SE	DF	Difference	Sig FDR?	Sig T-test?
Nation	227.26	0.70	47.84	215.60	1.41	33.76	11.66	n/a	>
Alabama	214.95	1.42	29.60	210.36	0.75	37.29	4.59	>	>
Arizona	225.11	1.62	35.59	216.64	1.16	45.52	8.47	>	>
Arkansas	215.45	1.82	29.58	215.90	1.04	32.73	-0.45		
California	212.80	2.18	25.57	209.45	0.93	30.21	3.35		
Connecticut	235.25	1.90	5.28	224.10	0.98	26.73	11.14	>	>
Georgia	222.23	1.30	8.93	212.96	0.97	22.21	9.27	>	>
Hawaii	217.64	1.89	25.21	202.31	1.02	34.99	15.33	>	>
Idaho	236.28	2.21	19.24	234.31	0.96	12.75	1.97		
Illinois	234.68	1.94	17.16	214.02	1.51	5.45	20.66	>	>
Indiana	243.84	1.16	31.27	226.79	0.94	21.66	17.05	>	>
Kentucky	229.87	1.89	14.73	217.24	1.11	57.23	12.63	>	>
Louisiana	216.86	1.86	10.22	206.13	1.09	29.74	10.73	>	>
Maryland	227.55	1.34	23.63	212.62	0.82	40.25	14.93	>	>
Michigan	234.79	1.47	8.80	221.61	0.99	24.63	13.18	>	>
Minnesota	243.89	1.83	31.83	234.34	1.11	28.07	9.55	>	>
Montana	246.48	1.66	21.14	244.07	1.09	27.93	2.41		
Nebraska	237.05	1.48	38.30	233.68	1.65	6.82	3.37		
New Mexico	214.89	2.67	7.45	216.41	1.01	51.86	-1.52		
New York	232.52	2.13	5.48	212.78	1.41	24.79	19.74	>	>
North Carolina	237.54	0.91	52.93	206.50	0.82	23.46	31.05	>	>
North Dakota	244.84	1.70	19.56	243.65	1.19	22.77	1.19		
Ohio	243.28	1.45	17.26	222.62	0.76	46.92	20.66	>	>
Oklahoma	232.82	1.65	16.59	223.69	1.09	31.91	9.13	>	>
Oregon	235.73	1.65	28.44	229.46	0.91	23.49	6.27	>	>
Rhode Island	229.05	1.98	22.22	214.55	0.97	51.18	14.50	>	>
Texas	231.94	1.81	6.20	214.78	1.30	22.12	17.16	>	>
Virginia	234.19	1.32	33.81	219.67	0.79	31.30	14.53	>	>
West Virginia	232.90	1.66	35.60	216.66	0.93	33.71	16.24	>	>
Wyoming	235.79	1.94	15.87	235.56	0.82	11.89	0.23		
Dist. Of Columbia	188.23	2.53	18.46	193.44	0.94	52.74	-5.20		
Guam	187.07	3.37	7.67	186.12	0.95	30.42	0.95		

2000-1990 Differences in Q1 (Bottom Quartile)

NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:
Change in Average Scale Score Gap for the Fourth Performance Quartile from 1990 to 2000

	2000 Q4			1990 Q4			2000 - 1990		
	Mean	SE	DF	Mean	SE	DF	Difference	Sig FDR?	Sig T-test?
Nation	318.67	0.66	33.16	305.91	0.93	16.78	12.76	n/a	>
Alabama	307.17	1.23	34.46	295.64	0.90	52.55	11.54	>	>
Arizona	313.27	1.09	27.41	301.95	0.97	25.61	11.32	>	>
Arkansas	303.05	1.02	35.34	295.95	0.84	62.00	7.10	>	>
California	309.76	1.07	28.56	302.40	1.04	20.76	7.36	>	>
Connecticut	323.97	0.97	42.17	313.67	0.79	35.77	10.29	>	>
Georgia	309.96	0.66	37.76	304.89	1.24	4.99	5.07	>	>
Hawaii	307.08	1.05	25.50	300.45	0.88	26.53	6.63	>	>
Idaho	316.31	0.84	32.73	306.72	0.86	20.66	9.59	>	>
Illinois	317.15	1.08	12.94	304.60	1.10	24.31	12.55	>	>
Indiana	320.87	0.82	47.55	307.95	1.03	33.07	12.92	>	>
Kentucky	311.45	0.84	37.18	298.47	0.92	28.31	12.98	>	>
Louisiana	299.55	1.31	8.03	287.51	0.91	23.61	12.04	>	>
Maryland	322.30	0.78	23.09	308.24	1.11	19.44	14.06	>	>
Michigan	319.38	1.08	34.50	306.44	0.83	31.68	12.94	>	>
Minnesota	324.99	1.05	29.09	314.16	0.68	42.23	10.83	>	>
Montana	322.81	1.02	16.02	315.76	1.05	15.30	7.05	>	>
Nebraska	319.25	0.88	43.51	314.72	0.79	35.03	4.53	>	>
New Mexico	301.79	0.92	50.94	297.31	0.89	25.35	4.48	>	>
New York	316.67	1.23	11.17	307.04	0.85	48.46	9.63	>	>
North Carolina	321.76	0.89	36.58	294.25	0.68	28.58	27.51	>	>
North Dakota	317.65	1.31	43.45	316.27	1.12	27.26	1.37		
Ohio	320.55	0.89	36.33	304.99	0.83	36.32	15.56	>	>
Oklahoma	308.24	0.80	62.00	302.43	1.06	30.25	5.81	>	>
Oregon	322.22	1.05	31.66	312.11	0.95	32.88	10.10	>	>
Rhode Island	315.72	1.04	61.99	304.61	0.66	30.13	11.12	>	>
Texas	313.53	0.94	34.25	302.14	0.80	19.49	11.40	>	>
Virginia	318.50	1.02	21.06	310.86	1.61	15.41	7.64	>	>
West Virginia	308.80	0.91	53.45	296.23	1.01	30.68	12.57	>	>
Wyoming	314.54	1.13	22.15	307.97	0.80	50.28	6.57	>	>
Dist. Of Columbia	282.49	2.45	10.52	273.57	1.57	9.10	8.92	>	>
Guam	278.55	1.38	38.04	279.51	0.78	10.80	-0.96		

2000-1990 Difference in Q4 (Top Quartile)

NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:
Change in Average Scale Score Gap between the Upper and Lower Performance Quartiles from 1990 to 2000

	2000			1990			2000 - 1990 Change in Gap		
	Mean	Pooled SE	Pooled DF	Mean	Pooled SE	Pooled DF	Difference	Sig FDR?	Sig T-test?
Nation	91.41	0.96	79.98	90.31	1.69	50.34	1.10	n/a	
Alabama	92.22	1.88	61.24	85.27	1.17	89.84	6.95	>	>
Arizona	88.16	1.96	59.22	85.30	1.51	70.34	2.85		
Arkansas	87.60	2.09	47.28	80.05	1.34	72.90	7.55	>	>
California	96.97	2.43	37.50	92.96	1.40	46.74	4.01		
Connecticut	88.72	2.13	8.29	89.57	1.26	55.13	-0.85		
Georgia	87.72	1.46	13.79	91.93	1.57	11.92	-4.21		
Hawaii	89.44	2.16	39.44	98.14	1.34	61.51	-8.70	<	<
Idaho	80.03	2.36	24.92	72.41	1.29	29.70	7.62	>	>
Illinois	82.47	2.22	26.05	90.58	1.86	12.00	-8.11	<	<
Indiana	77.04	1.42	60.31	81.17	1.39	53.97	-4.13		<
Kentucky	81.58	2.07	20.85	81.23	1.44	83.37	0.35		
Louisiana	82.69	2.27	17.42	81.38	1.42	53.17	1.31		
Maryland	94.75	1.55	38.01	95.62	1.38	40.91	-0.87		
Michigan	84.59	1.83	19.41	84.83	1.29	51.42	-0.24		
Minnesota	81.10	2.11	50.31	79.82	1.30	48.47	1.29		
Montana	76.33	1.95	33.74	71.68	1.51	40.36	4.64		
Nebraska	82.20	1.72	62.86	81.04	1.83	10.16	1.16		
New Mexico	86.90	2.83	9.29	80.90	1.35	73.22	6.00		
New York	84.16	2.46	9.19	94.26	1.65	43.25	-10.11	<	<
North Carolina	84.21	1.27	87.13	87.75	1.06	48.23	-3.54		<
North Dakota	72.81	2.14	42.92	72.62	1.64	49.00	0.18		
Ohio	77.28	1.70	30.56	82.38	1.12	79.52	-5.10	<	<
Oklahoma	75.42	1.84	24.85	78.74	1.52	62.15	-3.32		
Oregon	86.48	1.96	49.09	82.65	1.32	55.52	3.83		
Rhode Island	86.67	2.23	35.35	90.06	1.18	80.34	-3.39		
Texas	81.59	2.04	9.84	87.35	1.52	36.28	-5.76		<
Virginia	84.31	1.67	54.84	91.19	1.80	23.15	-6.89	<	<
West Virginia	75.90	1.89	56.76	79.57	1.37	63.17	-3.67		
Wyoming	78.75	2.24	26.36	72.42	1.15	37.24	6.33	>	>
Dist. Of Columbia	94.26	3.52	27.27	80.13	1.83	16.43	14.13	>	>
Guam	91.48	3.65	10.40	93.39	1.23	37.29	-1.91		

2000-1990 Gap Differences

NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:

Significant Test Calculation for Change in Average Scale Score Gap for the First Performance Quartile from 1990 to 2000

2000 Q1				1990 Q1				Pooled		T-Test			Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	227.26	0.70	47.84	Nation	215.60	1.41	33.76	1.58	50.47	7.3856	0.0000	YES >				
Alabama	214.95	1.42	29.60	Alabama	210.36	0.75	37.29	1.60	45.65	2.8658	0.0063	YES >	21	1.2353	0.0618	SIG_FDR >
Arizona	225.11	1.62	35.59	Arizona	216.64	1.16	45.52	2.00	67.41	4.2431	0.0001	YES >	17	1.0000	0.0500	SIG_FDR >
Arkansas	215.45	1.82	29.58	Arkansas	215.90	1.04	32.73	2.10	47.53	-0.2131	0.8321		30	1.7647	0.0882	
California	212.80	2.18	25.57	California	209.45	0.93	30.21	2.37	34.84	1.4121	0.1670		24	1.4118	0.0706	
Connecticut	235.25	1.90	5.28	Connecticut	224.10	0.98	26.73	2.14	8.36	5.2107	0.0008	YES >	19	1.1176	0.0559	SIG_FDR >
Georgia	222.23	1.30	8.93	Georgia	212.96	0.97	22.21	1.62	19.10	5.7143	0.0000	YES >	14	0.8235	0.0412	SIG_FDR >
Hawaii	217.64	1.89	25.21	Hawaii	202.31	1.02	34.99	2.14	39.67	7.1475	0.0000	YES >	7	0.4118	0.0206	SIG_FDR >
Idaho	236.28	2.21	19.24	Idaho	234.31	0.96	12.75	2.40	25.80	0.8208	0.4195		26	1.5294	0.0765	
Illinois	234.68	1.94	17.16	Illinois	214.02	1.51	5.45	2.46	20.58	8.4021	0.0000	YES >	8	0.4706	0.0235	SIG_FDR >
Indiana	243.84	1.16	31.27	Indiana	226.79	0.94	21.66	1.49	52.87	11.4090	0.0000	YES >	2	0.1176	0.0059	SIG_FDR >
Kentucky	229.87	1.89	14.73	Kentucky	217.24	1.11	57.23	2.19	25.84	5.7651	0.0000	YES >	12	0.7059	0.0353	SIG_FDR >
Louisiana	216.86	1.86	10.22	Louisiana	206.13	1.09	29.74	2.15	17.70	4.9895	0.0001	YES >	18	1.0588	0.0529	SIG_FDR >
Maryland	227.55	1.34	23.63	Maryland	212.62	0.82	40.25	1.57	41.51	9.5033	0.0000	YES >	5	0.2941	0.0147	SIG_FDR >
Michigan	234.79	1.47	8.80	Michigan	221.61	0.99	24.63	1.78	17.36	7.4131	0.0000	YES >	10	0.5882	0.0294	SIG_FDR >
Minnesota	243.89	1.83	31.83	Minnesota	234.34	1.11	28.07	2.15	51.64	4.4502	0.0000	YES >	15	0.8824	0.0441	SIG_FDR >
Montana	246.48	1.66	21.14	Montana	244.07	1.09	27.93	1.99	37.91	1.2111	0.2335		25	1.4706	0.0735	
Nebraska	237.05	1.48	38.30	Nebraska	233.68	1.65	6.82	2.22	19.99	1.5190	0.1452		23	1.3529	0.0676	
New Mexico	214.89	2.67	7.45	New Mexico	216.41	1.01	51.86	2.86	9.70	-0.5317	0.6078		28	1.6471	0.0824	
New York	232.52	2.13	5.48	New York	212.78	1.41	24.79	2.56	10.86	7.7097	0.0000	YES >	13	0.7647	0.0382	SIG_FDR >
North Carolina	237.54	0.91	52.93	North Carolina	206.50	0.82	23.46	1.22	69.89	25.4270	0.0000	YES >	1	0.0588	0.0029	SIG_FDR >
North Dakota	244.84	1.70	19.56	North Dakota	243.65	1.19	22.77	2.07	35.99	0.5739	0.5697		27	1.5882	0.0794	
Ohio	243.28	1.45	17.26	Ohio	222.62	0.76	46.92	1.64	27.28	12.6183	0.0000	YES >	4	0.2353	0.0118	SIG_FDR >
Oklahoma	232.82	1.65	16.59	Oklahoma	223.69	1.09	31.91	1.98	31.09	4.6061	0.0001	YES >	16	0.9412	0.0471	SIG_FDR >
Oregon	235.73	1.65	28.44	Oregon	229.46	0.91	23.49	1.88	43.52	3.3313	0.0018	YES >	20	1.1765	0.0588	SIG_FDR >
Rhode Island	229.05	1.98	22.22	Rhode Island	214.55	0.97	51.18	2.20	33.46	6.5861	0.0000	YES >	9	0.5294	0.0265	SIG_FDR >
Texas	231.94	1.81	6.20	Texas	214.78	1.30	22.12	2.23	13.21	7.7104	0.0000	YES >	11	0.6471	0.0324	SIG_FDR >
Virginia	234.19	1.32	33.81	Virginia	219.67	0.79	31.30	1.54	54.98	9.4340	0.0000	YES >	3	0.1765	0.0088	SIG_FDR >
West Virginia	232.90	1.66	35.60	West Virginia	216.66	0.93	33.71	1.90	55.49	8.5425	0.0000	YES >	6	0.3529	0.0176	SIG_FDR >
Wyoming	235.79	1.94	15.87	Wyoming	235.56	0.82	11.89	2.11	21.19	0.1109	0.9127		31	1.8235	0.0912	
Dist. Of Columbia	188.23	2.53	18.46	Dist. Of Columbia	193.44	0.94	52.74	2.70	23.77	-1.9285	0.0662		22	1.2941	0.0647	
Guam	187.07	3.37	7.67	Guam	186.12	0.95	30.42	3.50	8.91	0.2714	0.7929		29	1.7059	0.0853	

NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:

Significant Test Calculation for Change in Average Scale Score Gap for the Fourth Performance Quartile from 1990 to 2000

2000 Q4				1990 Q4				Pooled		T- Test			Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	318.67	0.66	33.16	Nation	305.91	0.93	16.78	1.14	33.51	11.2084	0.0000	YES >				
Alabama	307.17	1.23	34.46	Alabama	295.64	0.90	52.55	1.52	68.06	7.5805	0.0000	YES >	12	0.8571	0.0429	SIG_FDR >
Arizona	313.27	1.09	27.41	Arizona	301.95	0.97	25.61	1.46	52.67	7.7694	0.0000	YES >	14	1.0000	0.0500	SIG_FDR >
Arkansas	303.05	1.02	35.34	Arkansas	295.95	0.84	62.00	1.33	78.74	5.3563	0.0000	YES >	17	1.2143	0.0607	SIG_FDR >
California	309.76	1.07	28.56	California	302.40	1.04	20.76	1.50	48.48	4.9165	0.0000	YES >	20	1.4286	0.0714	SIG_FDR >
Connecticut	323.97	0.97	42.17	Connecticut	313.67	0.79	35.77	1.25	76.85	8.2590	0.0000	YES >	10	0.7143	0.0357	SIG_FDR >
Georgia	309.96	0.66	37.76	Georgia	304.89	1.24	4.99	1.40	8.09	3.6186	0.0068	YES >	28	2.0000	0.1000	SIG_FDR >
Hawaii	307.08	1.05	25.50	Hawaii	300.45	0.88	26.53	1.37	50.10	4.8552	0.0000	YES >	21	1.5000	0.0750	SIG_FDR >
Idaho	316.31	0.84	32.73	Idaho	306.72	0.86	20.66	1.20	50.06	7.9755	0.0000	YES >	13	0.9286	0.0464	SIG_FDR >
Illinois	317.15	1.08	12.94	Illinois	304.60	1.10	24.31	1.54	34.15	8.1709	0.0000	YES >	16	1.1429	0.0571	SIG_FDR >
Indiana	320.87	0.82	47.55	Indiana	307.95	1.03	33.07	1.32	69.10	9.8180	0.0000	YES >	4	0.2857	0.0143	SIG_FDR >
Kentucky	311.45	0.84	37.18	Kentucky	298.47	0.92	28.31	1.25	62.39	10.4085	0.0000	YES >	3	0.2143	0.0107	SIG_FDR >
Louisiana	299.55	1.31	8.03	Louisiana	287.51	0.91	23.61	1.59	16.43	7.5480	0.0000	YES >	18	1.2857	0.0643	SIG_FDR >
Maryland	322.30	0.78	23.09	Maryland	308.24	1.11	19.44	1.36	36.11	10.3670	0.0000	YES >	9	0.6429	0.0321	SIG_FDR >
Michigan	319.38	1.08	34.50	Michigan	306.44	0.83	31.68	1.36	63.18	9.4953	0.0000	YES >	7	0.5000	0.0250	SIG_FDR >
Minnesota	324.99	1.05	29.09	Minnesota	314.16	0.68	42.23	1.25	52.15	8.6386	0.0000	YES >	11	0.7857	0.0393	SIG_FDR >
Montana	322.81	1.02	16.02	Montana	315.76	1.05	15.30	1.46	31.23	4.8207	0.0000	YES >	23	1.6429	0.0821	SIG_FDR >
Nebraska	319.25	0.88	43.51	Nebraska	314.72	0.79	35.03	1.18	78.54	3.8541	0.0002	YES >	25	1.7857	0.0893	SIG_FDR >
New Mexico	301.79	0.92	50.94	New Mexico	297.31	0.89	25.35	1.28	68.97	3.4964	0.0008	YES >	27	1.9286	0.0964	SIG_FDR >
New York	316.67	1.23	11.17	New York	307.04	0.85	48.46	1.49	23.37	6.4453	0.0000	YES >	19	1.3571	0.0679	SIG_FDR >
North Carolina	321.76	0.89	36.58	North Carolina	294.25	0.68	28.58	1.12	63.91	24.5630	0.0000	YES >	1	0.0714	0.0036	SIG_FDR >
North Dakota	317.65	1.31	43.45	North Dakota	316.27	1.12	27.26	1.73	70.26	0.7960	0.4287		30	2.1429	0.1071	
Ohio	320.55	0.89	36.33	Ohio	304.99	0.83	36.32	1.21	72.32	12.8209	0.0000	YES >	2	0.1429	0.0071	SIG_FDR >
Oklahoma	308.24	0.80	62.00	Oklahoma	302.43	1.06	30.25	1.32	64.38	4.3880	0.0000	YES >	24	1.7143	0.0857	SIG_FDR >
Oregon	322.22	1.05	31.66	Oregon	312.11	0.95	32.88	1.42	63.61	7.1184	0.0000	YES >	15	1.0714	0.0536	SIG_FDR >
Rhode Island	315.72	1.04	61.99	Rhode Island	304.61	0.66	30.13	1.24	91.50	8.9940	0.0000	YES >	5	0.3571	0.0179	SIG_FDR >
Texas	313.53	0.94	34.25	Texas	302.14	0.80	19.49	1.23	52.91	9.2400	0.0000	YES >	8	0.5714	0.0286	SIG_FDR >
Virginia	318.50	1.02	21.06	Virginia	310.86	1.61	15.41	1.91	27.01	4.0081	0.0004	YES >	26	1.8571	0.0929	SIG_FDR >
West Virginia	308.80	0.91	53.45	West Virginia	296.23	1.01	30.68	1.36	72.82	9.2236	0.0000	YES >	6	0.4286	0.0214	SIG_FDR >
Wyoming	314.54	1.13	22.15	Wyoming	307.97	0.80	50.28	1.39	44.92	4.7321	0.0000	YES >	22	1.5714	0.0786	SIG_FDR >
Dist. Of Columbia	282.49	2.45	10.52	Dist. Of Columbia	273.57	1.57	9.10	2.91	17.54	3.0689	0.0070	YES >	29	2.0714	0.1036	SIG_FDR >
Guam	278.55	1.38	38.04	Guam	279.51	0.78	10.80	1.59	48.71	-0.6019	0.5501		31	2.2143	0.1107	

NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:
Significant Test Calculation for Change in Average Scale Score Gap between the Upper and Lower Performance Quartiles from 1990 to 2000

2000 Gap (Q4-Q1)				1990 Gap (Q4-Q1)				Pooled		T- Test			Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	91.41	0.96	79.98	Nation	90.31	1.69	50.34	1.95	82.86	0.5654	0.5733					
Alabama	92.22	1.88	61.24	Alabama	85.27	1.17	89.84	2.21	106.91	3.1468	0.0021	YES >	3	0.1364	0.0068	SIG_FDR >
Arizona	88.16	1.96	59.22	Arizona	85.30	1.51	70.34	2.47	116.18	1.1543	0.2507		22	1.0000	0.0500	
Arkansas	87.60	2.09	47.28	Arkansas	80.05	1.34	72.90	2.48	84.84	3.0397	0.0032	YES >	5	0.2273	0.0114	SIG_FDR >
California	96.97	2.43	37.50	California	92.96	1.40	46.74	2.80	61.17	1.4309	0.1576		19	0.8636	0.0432	
Connecticut	88.72	2.13	8.29	Connecticut	89.57	1.26	55.13	2.47	14.82	-0.3422	0.7373		28	1.2727	0.0636	
Georgia	87.72	1.46	13.79	Georgia	91.93	1.57	11.92	2.14	25.17	-1.9626	0.0609		14	0.6364	0.0318	
Hawaii	89.44	2.16	39.44	Hawaii	98.14	1.34	61.51	2.54	69.33	-3.4215	0.0011	YES <	2	0.0909	0.0045	SIG_FDR <
Idaho	80.03	2.36	24.92	Idaho	72.41	1.29	29.70	2.69	39.06	2.8331	0.0073	YES >	7	0.3182	0.0159	SIG_FDR >
Illinois	82.47	2.22	26.05	Illinois	90.58	1.86	12.00	2.90	36.43	-2.7989	0.0082	YES <	8	0.3636	0.0182	SIG_FDR <
Indiana	77.04	1.42	60.31	Indiana	81.17	1.39	53.97	1.99	114.15	-2.0730	0.0404	YES <	13	0.5909	0.0295	
Kentucky	81.58	2.07	20.85	Kentucky	81.23	1.44	83.37	2.52	43.42	0.1403	0.8890		29	1.3182	0.0659	
Louisiana	82.69	2.27	17.42	Louisiana	81.38	1.42	53.17	2.68	32.08	0.4878	0.6290		25	1.1364	0.0568	
Maryland	94.75	1.55	38.01	Maryland	95.62	1.38	40.91	2.08	77.16	-0.4209	0.6750		27	1.2273	0.0614	
Michigan	84.59	1.83	19.41	Michigan	84.83	1.29	51.42	2.24	39.96	-0.1081	0.9145		30	1.3636	0.0682	
Minnesota	81.10	2.11	50.31	Minnesota	79.82	1.30	48.47	2.48	83.34	0.5180	0.6058		23	1.0455	0.0523	
Montana	76.33	1.95	33.74	Montana	71.68	1.51	40.36	2.47	66.44	1.8825	0.0642		15	0.6818	0.0341	
Nebraska	82.20	1.72	62.66	Nebraska	81.04	1.83	10.16	2.51	32.14	0.4616	0.6475		26	1.1818	0.0591	
New Mexico	86.90	2.83	9.29	New Mexico	80.90	1.35	73.22	3.13	13.91	1.9150	0.0778		16	0.7273	0.0364	
New York	84.16	2.46	9.19	New York	94.26	1.65	43.25	2.96	18.53	-3.4097	0.0031	YES <	4	0.1818	0.0091	SIG_FDR <
North Carolina	84.21	1.27	87.13	North Carolina	87.75	1.06	48.23	1.66	133.56	-2.1367	0.0345	YES <	12	0.5455	0.0273	
North Dakota	72.81	2.14	42.92	North Dakota	72.62	1.64	49.00	2.70	82.83	0.0686	0.9455		31	1.4091	0.0705	
Ohio	77.28	1.70	30.56	Ohio	82.38	1.12	79.52	2.04	58.80	-2.5005	0.0152	YES <	9	0.4091	0.0205	SIG_FDR <
Oklahoma	75.42	1.84	24.85	Oklahoma	78.74	1.52	62.15	2.38	59.36	-1.3910	0.1695		20	0.9091	0.0455	
Oregon	86.48	1.96	49.09	Oregon	82.65	1.32	55.52	2.36	87.70	1.6266	0.1074		17	0.7727	0.0386	
Rhode Island	86.67	2.23	35.35	Rhode Island	90.06	1.18	80.34	2.53	55.85	-1.3409	0.1855		21	0.9545	0.0477	
Texas	81.59	2.04	9.84	Texas	87.35	1.52	36.28	2.54	22.06	-2.2637	0.0338	YES <	11	0.5000	0.0250	
Virginia	84.31	1.67	54.84	Virginia	91.19	1.80	23.15	2.45	61.03	-2.8124	0.0066	YES <	6	0.2727	0.0136	SIG_FDR <
West Virginia	75.90	1.89	56.76	West Virginia	79.57	1.37	63.17	2.34	105.85	-1.5708	0.1192		18	0.8182	0.0409	
Wyoming	78.75	2.24	26.36	Wyoming	72.42	1.15	37.24	2.52	40.04	2.5116	0.0162	YES >	10	0.4545	0.0227	SIG_FDR >
Dist. Of Columbia	94.26	3.52	27.27	Dist. Of Columbia	80.13	1.83	16.43	3.97	39.27	3.5614	0.0010	YES >	1	0.0455	0.0023	SIG_FDR >
Guam	91.48	3.65	10.40	Guam	93.39	1.23	37.29	3.85	12.86	-0.4958	0.6290		24	1.0909	0.0545	

NAEP 2000 GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:
Percentages and Average Scale Scores for Whites and Minorities in Public Schools

	Total			White						Black/Hispanic						
	N	Mean	SE	N	Pct	SE	DF	Mean	SE	DF	N	Pct	SE	DF	Mean	SE	DF
Nation	9353	274.42	0.84	4988	66.19	0.49	5.97	284.79	0.93	55.39	3763	28.37	0.29	55.86	248.99	1.19	51.95
Northeast	1686	275.43	2.21	875	68.72	2.04	19.64	284.34	1.85	23.88	720	27.16	2.15	21.89	250.72	2.90	23.73
Southeast	2786	265.26	1.45	1514	59.63	1.89	51.63	278.16	1.68	15.04	1184	37.24	1.80	51.29	243.80	1.73	29.33
Central	1769	283.05	2.12	1252	81.61	1.72	16.74	288.77	1.81	29.37	434	14.77	1.69	17.73	249.49	4.08	11.08
West	3112	272.86	1.57	1347	56.63	1.41	43.97	285.11	1.59	33.97	1425	34.17	1.34	50.28	251.61	1.93	36.35
Alabama	2327	262.16	1.77	1448	62.91	1.91	47.25	275.16	1.62	45.35	833	34.74	1.97	47.66	238.86	1.90	34.73
Arizona	1786	270.72	1.53	1004	54.09	2.07	25.40	284.32	1.39	33.12	668	38.95	2.16	25.43	251.87	2.08	32.87
Arkansas	2170	261.36	1.37	1506	69.27	1.89	48.44	272.04	1.27	36.26	603	27.84	1.88	46.11	234.83	2.09	30.78
California	1628	262.17	2.04	601	34.11	2.47	40.55	278.16	2.18	42.33	775	50.67	2.33	42.61	245.78	2.33	12.13
Connecticut	2454	281.90	1.37	1767	70.10	1.73	38.44	293.85	1.16	42.12	595	26.13	1.70	35.66	249.71	2.03	24.93
Georgia	2513	266.33	1.25	1372	55.70	1.66	53.87	280.34	1.54	38.88	1068	40.99	1.63	49.15	246.20	1.38	27.93
Hawaii	2277	262.77	1.34	322	13.32	0.89	38.63	274.77	3.27	25.37	282	12.11	0.81	46.75	249.57	3.75	9.53
Idaho	1971	277.92	1.31	1710	84.41	1.07	49.44	282.08	1.12	38.83	190	11.87	1.07	48.40	250.03	3.85	9.14
Illinois	1719	276.91	1.61	915	59.07	2.99	57.47	287.89	1.58	16.72	747	37.37	2.89	59.24	258.26	2.71	25.00
Indiana	1855	283.05	1.45	1532	81.47	2.61	14.16	287.02	1.22	59.09	276	16.12	2.57	12.84	261.79	2.35	24.90
Kansas	1676	283.68	1.44	1354	81.88	1.38	41.71	287.92	1.43	56.01	255	14.31	1.17	31.42	259.42	3.56	18.49
Kentucky	2294	271.56	1.40	1944	84.13	1.45	24.76	274.98	1.32	52.51	299	13.59	1.34	19.78	250.81	3.39	9.49
Louisiana	2359	258.98	1.50	1214	50.59	2.04	44.37	276.15	1.32	34.72	1086	46.98	2.12	26.07	239.86	1.87	23.38
Maine	2102	283.64	1.19	1946	92.45	0.66	28.12	284.87	1.24	43.11	85	3.97	0.49	34.72	273.23	4.64	18.50
Maryland	2401	276.01	1.43	1345	55.24	1.81	51.56	290.41	1.29	47.86	907	38.49	1.73	43.82	252.02	1.93	40.87
Massachusetts	2303	283.12	1.25	1757	76.43	1.54	29.32	288.91	1.03	31.44	400	17.50	1.43	22.14	257.04	3.17	21.20
Michigan	1975	278.45	1.60	1480	76.45	2.22	22.81	286.55	1.40	40.65	422	19.62	2.04	26.82	247.11	2.00	31.35
Minnesota	1525	287.65	1.44	1342	85.43	2.35	12.35	291.28	1.09	39.88	111	9.21	1.78	10.15	252.23	4.70	13.35
Mississippi	2394	254.03	1.30	1250	53.68	1.84	32.80	268.24	1.25	24.94	1105	44.66	1.90	20.83	236.59	1.50	15.79
Missouri	2329	273.58	1.46	1836	78.76	1.52	40.51	280.10	1.21	55.80	422	18.28	1.45	28.29	245.49	3.80	18.67
Montana	1740	286.58	1.22	1517	86.18	2.01	14.73	290.28	1.08	43.58	79	4.31	0.51	35.37	275.36	4.52	15.26
Nebraska	1916	280.62	1.12	1608	83.94	1.39	25.01	285.13	1.05	43.90	243	12.53	1.22	19.43	252.17	3.04	25.15
Nevada	2614	268.18	0.94	1464	55.87	0.81	55.44	277.63	0.88	23.78	888	34.49	0.75	55.87	251.19	1.62	22.23
New Mexico	1919	259.84	1.74	685	34.42	1.83	28.16	278.05	1.40	28.40	1017	53.53	1.84	29.77	250.87	1.91	33.08
New York	1633	276.26	2.09	850	52.92	2.37	34.70	289.29	1.32	22.17	672	40.37	2.73	43.78	257.88	3.65	14.34
North Carolina	2354	280.13	1.13	1486	63.81	1.80	43.40	291.05	1.11	39.60	770	32.25	1.72	38.36	257.85	1.41	52.63
North Dakota	2227	283.07	1.07	1986	89.39	1.13	25.07	285.51	1.17	29.66	81	4.11	0.53	25.34	263.03	6.03	12.36
Ohio	2084	282.67	1.48	1694	81.71	1.63	31.23	286.98	1.24	37.00	330	15.44	1.69	30.08	258.91	3.29	16.68
Oklahoma	2424	271.65	1.48	1702	70.20	1.42	38.10	277.12	1.16	42.60	383	15.77	1.35	18.65	250.84	4.21	10.44
Oregon	1779	280.64	1.65	1414	79.79	1.26	47.19	284.19	1.65	44.35	209	11.68	0.99	45.26	258.98	4.33	25.76
Rhode Island	2314	273.43	1.11	1768	75.86	0.88	16.69	280.54	1.12	28.78	426	18.51	0.71	17.54	245.85	2.21	11.65
South Carolina	2306	266.35	1.39	1280	55.95	1.76	48.86	279.08	1.50	29.87	987	42.16	1.79	46.13	249.44	1.54	39.70
Tennessee	2232	263.44	1.72	1622	73.56	1.60	18.47	271.15	1.44	62.00	537	23.19	1.66	17.49	237.91	3.09	10.52
Texas	2317	274.85	1.47	1063	45.33	1.80	44.44	287.71	1.41	36.90	1166	50.60	1.75	47.13	262.02	1.85	25.96
Utah	2472	275.44	1.16	2115	84.67	1.02	21.80	278.69	1.07	30.24	238	10.48	0.65	53.54	250.01	2.96	36.57
Vermont	2004	283.41	1.10	1851	92.06	0.65	40.15	284.24	1.10	41.78	78	4.01	0.52	37.83	272.00	4.54	9.81
Virginia	2469	276.67	1.50	1573	63.28	1.74	44.56	285.20	1.40	36.37	747	30.44	1.72	46.45	255.50	1.84	31.11
West Virginia	2463	270.78	1.00	2236	90.70	0.74	41.23	272.23	1.03	37.32	170	7.06	0.64	37.66	253.55	3.76	11.62
Wyoming	2634	276.69	1.18	2245	83.97	1.19	18.42	280.30	1.11	42.92	269	11.31	0.80	50.48	255.44	3.26	31.00
DoDEA/DDESS	646	277.27	2.33	282	44.29	1.80	62.00	288.48	2.13	59.49	300	46.02	1.48	62.00	268.34	3.34	55.85
DoDEA/DoDDS	1951	278.34	1.04	906	46.30	1.12	38.69	287.33	1.20	35.55	659	33.92	1.05	35.85	265.30	1.70	16.03

2000 W/BH

NAEP 1990 GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:

Percentages and Average Scale Scores for Whites and Minorities in Public Schools

	Total			White						Black/Hispanic						
	N	Mean	SE	N	Pct	SE	DF	Mean	SE	DF	N	Pct	SE	DF	Mean	SE	DF
Nation	2879	261.74	1.35	1779	70.30	0.54	32.65	269.75	1.46	41.20	918	25.37	0.52	29.08	239.21	2.09	25.76
Northeast	537	269.79	3.28	387	80.27	4.19	7.64	274.21	2.56	9.91	118	16.24	4.27	7.31	246.06	6.63	11.92
Southeast	755	254.24	2.56	427	63.37	3.04	20.46	264.50	2.87	13.09	303	35.18	3.09	21.13	234.29	4.34	7.83
Central	642	264.70	2.35	462	79.13	2.61	21.13	271.49	2.44	9.85	146	17.80	2.70	21.60	234.13	5.10	4.27
West	945	260.60	2.60	503	63.13	1.95	33.76	268.85	3.33	11.27	351	28.84	1.89	23.70	243.98	2.43	15.69
Alabama	2531	252.86	1.12	1638	64.38	1.93	36.44	262.88	1.03	54.37	837	33.50	1.96	37.78	232.80	1.49	27.45
Arizona	2558	259.59	1.34	1488	59.15	1.85	24.64	271.05	1.07	47.05	847	32.19	1.20	57.64	242.14	1.73	23.71
Arkansas	2669	256.21	0.88	1924	71.94	1.47	25.49	265.14	0.87	53.85	676	25.51	1.48	26.03	231.49	1.24	42.23
California	2424	256.32	1.29	1091	44.56	1.80	48.38	271.44	1.54	44.49	985	41.60	1.50	55.78	235.84	1.49	33.78
Colorado	2675	267.37	0.90	1952	73.20	1.28	17.38	274.30	0.98	47.41	616	22.92	1.23	12.90	245.02	1.36	19.35
Connecticut	2672	269.87	1.02	2110	77.13	1.52	20.91	277.57	0.91	43.22	489	20.04	1.42	19.92	239.05	1.98	17.97
Delaware	2110	260.70	0.92	1422	67.71	0.96	43.28	268.40	1.02	23.10	625	29.70	0.92	38.86	241.95	1.82	21.14
Florida	2534	255.32	1.25	1548	60.16	2.02	27.27	265.41	1.37	45.60	893	36.26	2.12	23.37	237.68	1.53	45.68
Georgia	2766	258.85	1.33	1678	59.42	1.81	44.65	271.39	1.50	18.32	1039	38.83	1.85	46.44	238.72	1.32	25.87
Hawaii	2551	251.02	0.79	445	17.76	0.84	37.13	262.51	1.98	26.53	313	12.42	0.57	49.42	231.28	2.34	48.97
Idaho	2716	271.45	0.76	2419	89.69	0.78	26.72	273.84	0.77	57.24	186	6.52	0.62	25.11	248.97	2.67	40.42
Illinois	2683	260.55	1.72	1767	67.16	1.91	21.68	271.12	1.37	28.05	813	29.13	1.97	24.69	234.65	3.43	14.52
Indiana	2569	267.27	1.15	2191	84.46	1.22	32.70	271.01	1.04	40.45	319	13.23	1.17	27.46	243.46	2.51	14.93
Iowa	2474	277.97	1.07	2277	91.35	0.74	18.05	279.55	1.12	41.94	141	6.26	0.70	10.62	255.68	2.65	20.67
Kentucky	2680	257.10	1.16	2275	85.06	1.12	33.57	260.31	1.20	25.35	351	12.99	1.07	28.16	236.42	2.04	29.07
Louisiana	2572	246.44	1.24	1390	54.87	2.10	59.09	259.12	1.40	15.73	1128	42.98	2.08	52.26	229.51	1.33	16.94
Maryland	2794	260.77	1.43	1707	59.39	1.52	54.62	272.89	1.46	36.12	939	35.18	1.46	40.77	238.06	1.62	27.70
Michigan	2587	264.40	1.20	2029	77.39	1.44	16.45	271.43	0.99	61.25	443	18.23	1.19	16.48	234.72	1.58	44.87
Minnesota	2584	275.39	0.94	2305	89.70	0.85	22.99	278.01	0.88	58.46	151	5.51	0.64	29.58	238.75	3.65	34.62
Montana	2486	280.50	0.93	2138	87.11	1.12	28.35	283.49	0.92	29.17	87	3.56	0.46	11.19	263.79	3.56	15.60
Nebraska	2519	275.67	1.04	2251	88.15	0.76	26.67	279.31	1.08	23.20	206	9.15	0.72	17.97	243.88	3.93	10.72
New Hampshire	2568	273.15	0.90	2405	94.10	0.60	25.13	273.82	0.94	37.64	82	2.95	0.45	20.68	255.84	3.68	32.86
New Jersey	2710	269.66	1.12	1789	66.38	1.95	21.93	279.33	1.15	41.29	761	27.84	1.82	19.01	242.79	1.83	30.02
New Mexico	2643	256.42	0.70	989	40.11	1.29	49.12	272.08	1.17	13.60	1227	47.06	1.32	49.18	246.73	1.08	49.63
New York	2302	260.80	1.41	1518	59.91	1.86	24.36	273.87	1.07	15.82	653	34.04	1.96	25.76	236.35	2.64	22.35
North Carolina	2843	250.35	1.06	1772	62.02	1.70	27.26	261.68	1.34	52.13	968	34.42	1.37	18.01	230.79	1.16	23.94
North Dakota	2485	281.10	1.22	2234	90.65	1.37	5.32	284.24	1.04	14.98	79	3.33	0.54	17.27	246.59	5.06	5.58
Ohio	2673	263.97	1.03	2234	82.49	0.93	27.30	268.91	1.04	35.06	365	14.70	0.97	17.68	234.11	1.41	23.57
Oklahoma	2222	263.18	1.31	1657	73.63	1.77	51.84	268.53	1.26	44.25	324	15.77	1.29	32.61	239.72	2.10	22.95
Oregon	2708	271.36	0.96	2295	84.68	0.91	41.00	273.84	0.91	56.91	227	8.41	0.68	32.75	252.26	2.44	21.88
Pennsylvania	2528	266.36	1.61	2112	80.77	2.50	16.74	272.13	1.10	39.05	356	16.67	2.47	16.31	236.48	2.86	10.15
Rhode Island	2675	260.04	0.59	2241	82.76	0.75	49.98	265.65	0.73	55.81	321	12.78	0.58	42.56	228.73	1.57	33.13
Texas	2542	258.19	1.36	1175	47.23	2.09	46.84	273.21	1.29	23.01	1284	49.50	2.15	49.20	242.52	1.54	28.16
Virginia	2661	264.27	1.53	1819	67.62	1.54	39.38	271.72	1.62	26.10	721	27.65	1.61	37.09	242.45	1.51	49.08
West Virginia	2600	255.90	0.96	2333	89.90	0.74	48.61	257.66	0.93	47.22	192	7.16	0.72	36.18	233.13	3.16	44.22
Wisconsin	2750	274.49	1.26	2358	84.85	1.18	22.48	279.36	1.12	52.05	314	12.19	1.12	20.03	241.86	3.54	8.04
Wyoming	2701	272.15	0.67	2313	85.57	0.81	45.72	274.75	0.71	48.20	251	9.76	0.64	51.33	255.01	2.10	19.40
Guam	1617	231.83	0.73	109	6.75	0.67	11.72	256.79	3.54	13.19	330	20.51	1.01	31.31	211.26	1.70	25.12

NAEP 2000 NATIONAL AND STATE MATH ASSESSMENT:
Gap in Average Scale Scores between Whites and Black/Hispanic in Public School

	White			Black/Hispanic			W-BH Gap				
	Mean	SE	DF	Mean	SE	DF	Mean	Pooled SE	Pooled DF	SIG_FDR	Sig T-test?
Nation	284.79	0.93	55.39	248.99	1.19	51.95	35.81	1.51	99.90	n/a	>
Northeast	284.34	1.85	23.88	250.72	2.90	23.73	33.63	3.44	40.35	>	>
Southeast	278.16	1.68	15.04	243.80	1.73	29.33	34.36	2.41	40.47	>	>
Central	288.77	1.81	29.37	249.49	4.08	11.09	39.28	4.46	15.67	>	>
West	285.11	1.59	33.97	251.61	1.93	36.35	33.51	2.50	68.66	>	>
Alabama	275.16	1.62	45.35	238.86	1.90	34.73	36.31	2.49	73.69	>	>
Arizona	284.32	1.39	33.12	251.87	2.08	32.87	32.45	2.50	57.46	>	>
Arkansas	272.04	1.27	36.26	234.83	2.09	30.78	37.20	2.44	51.73	>	>
California	278.16	2.18	42.33	245.78	2.33	12.13	32.37	3.19	34.97	>	>
Connecticut	293.85	1.16	42.12	249.71	2.03	24.93	44.14	2.34	41.36	>	>
Georgia	280.34	1.54	38.88	246.20	1.38	27.93	34.14	2.06	66.60	>	>
Hawaii	274.77	3.27	25.37	249.57	3.75	9.53	25.20	4.98	24.24	>	>
Idaho	282.08	1.12	38.83	250.03	3.85	9.14	32.04	4.01	10.73	>	>
Illinois	287.89	1.58	16.72	258.26	2.71	25.00	29.63	3.14	38.31	>	>
Indiana	287.02	1.22	59.09	261.79	2.35	24.90	25.23	2.65	38.85	>	>
Kansas	287.92	1.43	56.01	259.42	3.56	18.49	28.50	3.84	24.78	>	>
Kentucky	274.98	1.32	52.51	250.81	3.39	9.49	24.16	3.84	12.50	>	>
Louisiana	276.15	1.32	34.72	239.86	1.87	23.38	36.29	2.29	44.93	>	>
Maine	284.87	1.24	43.11	273.23	4.64	18.50	11.64	4.80	21.21	>	>
Maryland	290.41	1.29	47.86	252.02	1.93	40.87	38.39	2.32	73.01	>	>
Massachusetts	288.91	1.03	31.44	257.04	3.17	21.20	31.88	3.33	25.70	>	>
Michigan	286.55	1.40	40.65	247.11	2.00	31.35	39.43	2.45	58.75	>	>
Minnesota	291.28	1.09	39.88	252.23	4.70	13.35	39.05	4.82	14.81	>	>
Mississippi	268.24	1.25	24.94	236.59	1.50	15.79	31.65	1.95	34.75	>	>
Missouri	280.10	1.21	55.80	245.49	3.80	18.67	34.62	3.99	22.55	>	>
Montana	290.28	1.08	43.58	275.36	4.52	15.26	14.91	4.65	17.05	>	>
Nebraska	285.13	1.05	43.90	252.17	3.04	25.15	32.96	3.22	31.26	>	>
Nevada	277.63	0.88	23.79	251.19	1.62	22.23	26.44	1.85	34.58	>	>
New Mexico	278.05	1.40	28.40	250.87	1.91	33.08	27.18	2.37	58.46	>	>
New York	289.29	1.32	22.17	257.88	3.65	14.34	31.42	3.88	18.13	>	>
North Carolina	291.05	1.11	39.60	257.85	1.41	52.63	33.20	1.80	91.48	>	>
North Dakota	285.51	1.17	29.66	263.03	6.03	12.36	22.48	6.14	13.30	>	>
Ohio	286.98	1.24	37.00	258.91	3.29	16.68	28.07	3.52	21.53	>	>
Oklahoma	277.12	1.16	42.60	250.84	4.21	10.44	26.28	4.37	12.08	>	>
Oregon	284.19	1.65	44.35	258.98	4.33	25.76	25.20	4.63	33.42	>	>
Rhode Island	280.54	1.12	28.78	245.85	2.21	11.65	34.69	2.48	17.86	>	>
South Carolina	279.08	1.50	29.87	249.44	1.54	39.70	29.64	2.15	68.59	>	>
Tennessee	271.15	1.44	62.00	237.91	3.09	10.52	33.24	3.41	15.49	>	>
Texas	287.71	1.41	36.90	262.02	1.85	25.96	25.69	2.33	52.29	>	>
Utah	278.69	1.07	30.24	250.01	2.96	36.57	28.68	3.15	45.74	>	>
Vermont	284.24	1.10	41.78	272.00	4.54	9.81	12.24	4.67	10.99	>	>
Virginia	285.20	1.40	36.37	255.50	1.84	31.11	29.70	2.31	60.19	>	>
West Virginia	272.23	1.03	37.32	253.55	3.76	11.62	18.68	3.90	13.39	>	>
Wyoming	280.30	1.11	42.92	255.44	3.26	31.00	24.86	3.45	38.28	>	>
DoDEA/DDESS	288.48	2.13	59.49	268.34	3.34	55.85	20.14	3.96	95.75	>	>
DoDEA/DoDDS	287.33	1.20	35.55	265.30	1.70	16.03	22.03	2.08	32.33	>	>

2000 W/BH

NAEP 1990 GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:
Gap in Average Scale Scores between Whites and Black/Hispanic in Public School

	White			Black/Hispanic			W-BH Gap				
	Mean	SE	DF	Mean	SE	DF	Mean	Pooled SE	Pooled DF	SIG_FDR	Sig T-test?
Nation	269.75	1.46	41.20	239.21	2.09	25.76	30.54	2.55	49.67	n/a	>
Northeast	274.21	2.56	9.91	246.06	6.63	11.92	28.14	7.11	15.33	>	>
Southeast	264.50	2.87	13.09	234.29	4.34	7.83	30.21	5.21	14.52	>	>
Central	271.49	2.44	9.85	234.13	5.10	4.27	37.36	5.66	6.31	>	>
West	268.85	3.33	11.27	243.98	2.43	15.69	24.87	4.12	21.96	>	>
Alabama	262.88	1.03	54.37	232.80	1.49	27.45	30.08	1.81	54.03	>	>
Arizona	271.05	1.07	47.05	242.14	1.73	23.71	28.91	2.04	42.25	>	>
Arkansas	265.14	0.87	53.85	231.49	1.24	42.23	33.65	1.52	79.06	>	>
California	271.44	1.54	44.49	235.84	1.49	33.78	35.60	2.14	77.47	>	>
Colorado	274.30	0.98	47.41	245.02	1.36	19.35	29.28	1.67	40.15	>	>
Connecticut	277.57	0.91	43.22	239.05	1.98	17.97	38.52	2.18	25.77	>	>
Delaware	268.40	1.02	23.10	241.95	1.82	21.14	26.45	2.09	33.37	>	>
Florida	265.41	1.37	45.60	237.68	1.53	45.68	27.74	2.06	90.17	>	>
Georgia	271.39	1.50	18.32	238.72	1.32	25.87	32.67	1.99	40.48	>	>
Hawaii	262.51	1.98	26.53	231.28	2.34	48.97	31.22	3.07	74.11	>	>
Idaho	273.84	0.77	57.24	248.97	2.67	40.42	24.87	2.78	47.20	>	>
Illinois	271.12	1.37	28.05	234.65	3.43	14.52	36.46	3.69	19.30	>	>
Indiana	271.01	1.04	40.45	243.46	2.51	14.93	27.55	2.72	20.27	>	>
Iowa	279.55	1.12	41.94	255.68	2.65	20.67	23.87	2.88	28.30	>	>
Kentucky	260.31	1.20	25.35	236.42	2.04	29.07	23.89	2.37	46.44	>	>
Louisiana	259.12	1.40	15.73	229.51	1.33	16.94	29.61	1.93	32.43	>	>
Maryland	272.89	1.46	36.12	238.06	1.62	27.70	34.83	2.18	60.50	>	>
Michigan	271.43	0.99	61.25	234.72	1.58	44.87	36.71	1.86	78.21	>	>
Minnesota	278.01	0.88	58.46	238.75	3.65	34.62	39.26	3.75	38.72	>	>
Montana	283.49	0.92	29.17	263.79	3.56	15.60	19.70	3.68	17.73	>	>
Nebraska	279.31	1.08	23.20	243.88	3.93	10.72	35.42	4.08	12.36	>	>
New Hampshire	273.82	0.94	37.64	255.84	3.68	32.86	17.98	3.80	37.12	>	>
New Jersey	279.33	1.15	41.29	242.79	1.83	30.02	36.54	2.16	52.46	>	>
New Mexico	272.08	1.17	13.60	246.73	1.08	49.63	25.35	1.59	38.66	>	>
New York	273.87	1.07	15.82	236.35	2.64	22.35	37.52	2.85	29.17	>	>
North Carolina	261.68	1.34	52.13	230.79	1.16	23.94	30.89	1.78	71.92	>	>
North Dakota	284.24	1.04	14.98	246.59	5.06	5.58	37.65	5.17	6.06	>	>
Ohio	268.91	1.04	35.06	234.11	1.41	23.57	34.80	1.75	46.65	>	>
Oklahoma	268.53	1.26	44.25	239.72	2.10	22.95	28.80	2.44	39.78	>	>
Oregon	273.84	0.91	56.91	252.26	2.44	21.88	21.57	2.60	28.25	>	>
Pennsylvania	272.13	1.10	39.05	236.48	2.86	10.15	35.65	3.06	13.30	>	>
Rhode Island	265.65	0.73	55.81	228.73	1.57	33.13	36.92	1.73	47.87	>	>
Texas	273.21	1.29	23.01	242.52	1.54	28.18	30.68	2.01	50.92	>	>
Virginia	271.72	1.62	26.10	242.45	1.51	49.08	29.27	2.22	65.05	>	>
West Virginia	257.66	0.93	47.22	233.13	3.16	44.22	24.54	3.29	51.87	>	>
Wisconsin	279.36	1.12	52.05	241.86	3.54	8.04	37.50	3.72	9.73	>	>
Wyoming	274.75	0.71	48.20	255.01	2.10	19.40	19.74	2.21	23.92	>	>
Guam	256.79	3.54	13.19	211.26	1.70	25.12	45.53	3.93	19.46	>	>

1990 W/BH

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NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:
Change in White-Black/Hispanic Gap from 1990 to 2000 in Public Schools

	2000 W-BH Gap			1990 W-BH Gap			2000-1990 Change in Gap		
	Mean	Pooled SE	Pooled DF	Mean	Pooled SE	Pooled DF	Difference	Sig FDR?	Sig T-test?
Nation	35.81	1.51	99.90	30.54	2.55	49.67	5.26	n/a	
Northeast	33.63	3.44	40.35	28.14	7.11	15.33	5.48		
Southeast	34.36	2.41	40.47	30.21	5.21	14.52	4.15		
Central	39.28	4.46	15.67	37.36	5.66	6.31	1.92		
West	33.51	2.50	68.66	24.87	4.12	21.96	8.63		
Alabama	36.31	2.49	73.69	30.08	1.81	54.03	6.22		>
Arizona	32.45	2.50	57.46	28.91	2.04	42.25	3.54		
Arkansas	37.20	2.44	51.73	33.65	1.52	79.06	3.55		
California	32.37	3.19	34.97	35.60	2.14	77.47	-3.23		
Connecticut	44.14	2.34	41.36	38.52	2.18	25.77	5.61		
Georgia	34.14	2.06	66.60	32.67	1.99	40.48	1.48		
Hawaii	25.20	4.98	24.24	31.22	3.07	74.11	-6.02		
Idaho	32.04	4.01	10.73	24.87	2.78	47.20	7.17		
Illinois	29.63	3.14	38.31	36.46	3.69	19.30	-6.83		
Indiana	25.23	2.65	38.85	27.55	2.72	20.27	-2.32		
Kentucky	24.16	3.64	12.50	23.89	2.37	46.44	0.28		
Louisiana	36.29	2.29	44.93	29.61	1.93	32.43	6.68		>
Maryland	38.39	2.32	73.01	34.83	2.18	60.50	3.56		
Michigan	39.43	2.45	58.75	36.71	1.86	78.21	2.73		
Minnesota	39.05	4.82	14.81	39.26	3.75	38.72	-0.21		
Montana	14.91	4.65	17.05	19.70	3.68	17.73	-4.79		
Nebraska	32.96	3.22	31.26	35.42	4.08	12.36	-2.47		
New Mexico	27.18	2.37	58.46	25.35	1.59	38.66	1.83		
New York	31.42	3.88	18.13	37.52	2.85	29.17	-6.11		
North Carolina	33.20	1.80	91.48	30.89	1.78	71.92	2.31		
North Dakota	22.48	6.14	13.30	37.65	5.17	6.06	-15.17		
Ohio	28.07	3.52	21.53	34.80	1.75	46.65	-6.73		
Oklahoma	26.28	4.37	12.08	28.80	2.44	39.78	-2.52		
Oregon	25.20	4.63	33.42	21.57	2.60	28.25	3.63		
Rhode Island	34.69	2.48	17.86	36.92	1.73	47.87	-2.23		
Texas	25.69	2.33	52.29	30.68	2.01	50.92	-5.00		
Virginia	29.70	2.31	60.19	29.27	2.22	65.05	0.43		
West Virginia	18.68	3.90	13.39	24.54	3.29	51.87	-5.86		
Wyoming	24.86	3.45	38.28	19.74	2.21	23.92	5.12		

2000-1990 Gap Differences

NAEP 2000 GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:

Significant Test Calculation for Gap in Average Scale Score between White and Black/Hispanic

White				Black/Hispanic				Pooled		T- Test			Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	284.79	0.93	55.39	Nation	248.99	1.19	51.95	1.51	99.90	23.6780	0.0000	YES >				
Northeast	284.34	1.85	23.88	Northeast	250.72	2.90	23.73	3.44	40.35	9.7613	0.0000	YES >	3	1.5000	0.0750	SIG_FDR >
Southeast	278.16	1.68	15.04	Southeast	243.80	1.73	29.33	2.41	40.47	14.2429	0.0000	YES >	2	1.0000	0.0500	SIG_FDR >
Central	288.77	1.81	29.37	Central	249.49	4.08	11.09	4.46	15.67	8.8047	0.0000	YES >	4	2.0000	0.1000	SIG_FDR >
West	285.11	1.59	33.97	West	251.61	1.93	36.35	2.50	68.66	13.3916	0.0000	YES >	1	0.5000	0.0250	SIG_FDR >
Alabama	275.16	1.62	45.35	Alabama	238.86	1.90	34.73	2.49	73.69	14.5598	0.0000	YES >	4	0.1000	0.0050	SIG_FDR >
Arizona	284.32	1.39	33.12	Arizona	251.87	2.08	32.87	2.50	57.46	12.9802	0.0000	YES >	11	0.2750	0.0138	SIG_FDR >
Arkansas	272.04	1.27	36.26	Arkansas	234.83	2.09	30.78	2.44	51.73	15.2317	0.0000	YES >	8	0.2000	0.0100	SIG_FDR >
California	278.16	2.18	42.33	California	245.78	2.33	12.13	3.19	34.97	10.1599	0.0000	YES >	17	0.4250	0.0213	SIG_FDR >
Connecticut	293.85	1.16	42.12	Connecticut	249.71	2.03	24.93	2.34	41.36	18.8969	0.0000	YES >	6	0.1500	0.0075	SIG_FDR >
Georgia	280.34	1.54	38.88	Georgia	246.20	1.38	27.93	2.06	66.60	16.5562	0.0000	YES >	3	0.0750	0.0038	SIG_FDR >
Hawaii	274.77	3.27	25.37	Hawaii	249.57	3.75	9.53	4.98	24.24	5.0612	0.0000	YES >	35	0.8750	0.0438	SIG_FDR >
Idaho	282.08	1.12	38.83	Idaho	250.03	3.85	9.14	4.01	10.73	8.0000	0.0000	YES >	33	0.8250	0.0413	SIG_FDR >
Illinois	287.89	1.58	16.72	Illinois	258.26	2.71	25.00	3.14	38.31	9.4493	0.0000	YES >	20	0.5000	0.0250	SIG_FDR >
Indiana	287.02	1.22	59.09	Indiana	261.79	2.35	24.90	2.65	38.85	9.5385	0.0000	YES >	19	0.4750	0.0238	SIG_FDR >
Kansas	287.92	1.43	56.01	Kansas	259.42	3.56	18.49	3.84	24.78	7.4281	0.0000	YES >	28	0.7000	0.0350	SIG_FDR >
Kentucky	274.98	1.32	52.51	Kentucky	250.81	3.39	9.49	3.64	12.50	6.6366	0.0000	YES >	34	0.8500	0.0425	SIG_FDR >
Louisiana	276.15	1.32	34.72	Louisiana	239.86	1.87	23.38	2.29	44.93	15.8561	0.0000	YES >	9	0.2250	0.0113	SIG_FDR >
Maine	284.87	1.24	43.11	Maine	273.23	4.64	18.50	4.80	21.21	2.4240	0.0245	YES >	40	1.0000	0.0500	SIG_FDR >
Maryland	290.41	1.29	47.86	Maryland	252.02	1.93	40.87	2.32	73.01	16.5331	0.0000	YES >	2	0.0500	0.0025	SIG_FDR >
Massachusetts	288.91	1.03	31.44	Massachusetts	257.04	3.17	21.20	3.33	25.70	9.5769	0.0000	YES >	23	0.5750	0.0288	SIG_FDR >
Michigan	286.55	1.40	40.65	Michigan	247.11	2.00	31.35	2.45	58.75	16.1132	0.0000	YES >	5	0.1250	0.0063	SIG_FDR >
Minnesota	291.28	1.09	39.88	Minnesota	252.23	4.70	13.35	4.82	14.81	8.0959	0.0000	YES >	30	0.7500	0.0375	SIG_FDR >
Mississippi	268.24	1.25	24.94	Mississippi	236.59	1.50	15.79	1.95	34.75	16.2466	0.0000	YES >	12	0.3000	0.0150	SIG_FDR >
Missouri	280.10	1.21	55.80	Missouri	245.49	3.80	18.67	3.99	22.55	8.6847	0.0000	YES >	25	0.6250	0.0313	SIG_FDR >
Montana	290.28	1.08	43.58	Montana	275.36	4.52	15.26	4.65	17.05	3.2085	0.0052	YES >	39	0.9750	0.0488	SIG_FDR >
Nebraska	285.13	1.05	43.90	Nebraska	252.17	3.04	25.15	3.22	31.26	10.2390	0.0000	YES >	21	0.5250	0.0263	SIG_FDR >
Nevada	277.63	0.88	23.79	Nevada	251.19	1.62	22.23	1.85	34.58	14.3244	0.0000	YES >	14	0.3500	0.0175	SIG_FDR >
New Mexico	278.05	1.40	28.40	New Mexico	250.87	1.91	33.08	2.37	58.46	11.4579	0.0000	YES >	13	0.3250	0.0163	SIG_FDR >
New York	289.29	1.32	22.17	New York	257.88	3.65	14.34	3.88	18.13	8.0873	0.0000	YES >	29	0.7250	0.0363	SIG_FDR >
North Carolina	291.05	1.11	39.60	North Carolina	257.85	1.41	52.63	1.80	91.48	18.4713	0.0000	YES >	1	0.0250	0.0013	SIG_FDR >
North Dakota	285.51	1.17	29.66	North Dakota	263.03	6.03	12.36	6.14	13.30	3.6605	0.0029	YES >	38	0.9500	0.0475	SIG_FDR >
Ohio	286.98	1.24	37.00	Ohio	258.91	3.29	16.68	3.52	21.53	7.9781	0.0000	YES >	27	0.6750	0.0338	SIG_FDR >
Oklahoma	277.12	1.16	42.60	Oklahoma	250.84	4.21	10.44	4.37	12.08	6.0160	0.0001	YES >	36	0.9000	0.0450	SIG_FDR >
Oregon	284.19	1.65	44.35	Oregon	258.98	4.33	25.76	4.63	33.42	5.4401	0.0000	YES >	32	0.8000	0.0400	SIG_FDR >
Rhode Island	280.54	1.12	28.78	Rhode Island	245.85	2.21	11.65	2.48	17.86	13.9888	0.0000	YES >	22	0.5500	0.0275	SIG_FDR >
South Carolina	279.08	1.50	29.87	South Carolina	249.44	1.54	39.70	2.15	68.58	13.8061	0.0000	YES >	7	0.1750	0.0088	SIG_FDR >
Tennessee	271.15	1.44	62.00	Tennessee	237.91	3.09	10.52	3.41	15.49	9.7368	0.0000	YES >	26	0.6500	0.0325	SIG_FDR >
Texas	287.71	1.41	36.90	Texas	262.02	1.85	25.96	2.33	52.29	11.0364	0.0000	YES >	15	0.3750	0.0188	SIG_FDR >
Utah	278.69	1.07	30.24	Utah	250.01	2.96	36.57	3.15	45.74	9.1027	0.0000	YES >	18	0.4500	0.0225	SIG_FDR >
Vermont	284.24	1.10	41.78	Vermont	272.00	4.54	9.81	4.67	10.99	2.6199	0.0256	YES >	41	1.0250	0.0513	SIG_FDR >
Virginia	285.20	1.40	36.37	Virginia	255.50	1.84	31.11	2.31	60.19	12.8640	0.0000	YES >	10	0.2500	0.0125	SIG_FDR >
West Virginia	272.23	1.03	37.32	West Virginia	253.55	3.76	11.62	3.90	13.39	4.7904	0.0004	YES >	37	0.9250	0.0463	SIG_FDR >
Wyoming	280.30	1.11	42.92	Wyoming	255.44	3.26	31.00	3.45	38.28	7.2133	0.0000	YES >	24	0.6000	0.0300	SIG_FDR >
DoDEA/DDESS	288.48	2.13	59.49	DoDEA/DDESS	268.34	3.34	55.85	3.96	95.75	5.0897	0.0000	YES >	31	0.7750	0.0388	SIG_FDR >
DoDEA/DoDDS	287.33	1.20	35.55	DoDEA/DoDDS	265.30	1.70	16.03	2.08	32.33	10.5700	0.0000	YES >	16	0.4000	0.0200	SIG_FDR >

NAEP 1990 Grade 8 National and State Math Assessment:
Significant Test Calculation for Gap in Average Scale Score between White and Black/Hispanic

White				Black/Hispanic				Pooled		T- Test			Test #	Multiplicative factor	Adjusted Alpha	SIG_FDR
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig				
Nation	269.75	1.46	41.20	Nation	239.21	2.09	25.76	2.55	49.67	11.9705	0.0000	YES >				
Northeast	274.21	2.56	9.91	Northeast	246.06	6.63	11.92	7.11	15.33	3.9569	0.0013	YES >	4	2.0000	0.1000	SIG_FDR >
Southeast	264.50	2.87	13.09	Southeast	234.29	4.34	7.83	5.21	14.52	5.8025	0.0000	YES >	2	1.0000	0.0500	SIG_FDR >
Central	271.49	2.44	9.85	Central	234.13	5.10	4.27	5.66	6.31	6.6042	0.0006	YES >	3	1.5000	0.0750	SIG_FDR >
West	268.85	3.33	11.27	West	243.98	2.43	15.69	4.12	21.96	6.0333	0.0000	YES >	1	0.5000	0.0250	SIG_FDR >
Alabama	262.88	1.03	54.37	Alabama	232.80	1.49	27.45	1.81	54.03	16.6124	0.0000	YES >	9	0.2432	0.0122	SIG_FDR >
Arizona	271.05	1.07	47.05	Arizona	242.14	1.73	23.71	2.04	42.25	14.1984	0.0000	YES >	16	0.4324	0.0216	SIG_FDR >
Arkansas	265.14	0.87	53.85	Arkansas	231.49	1.24	42.23	1.52	79.06	22.1651	0.0000	YES >	1	0.0270	0.0014	SIG_FDR >
California	271.44	1.54	44.49	California	235.84	1.49	33.78	2.14	77.47	16.6273	0.0000	YES >	4	0.1081	0.0054	SIG_FDR >
Colorado	274.30	0.98	47.41	Colorado	245.02	1.36	19.35	1.67	40.15	17.5028	0.0000	YES >	12	0.3243	0.0162	SIG_FDR >
Connecticut	277.57	0.91	43.22	Connecticut	239.05	1.98	17.97	2.18	25.77	17.6568	0.0000	YES >	19	0.5135	0.0257	SIG_FDR >
Delaware	268.40	1.02	23.10	Delaware	241.95	1.82	21.14	2.09	33.37	12.6725	0.0000	YES >	21	0.5676	0.0284	SIG_FDR >
Florida	265.41	1.37	45.60	Florida	237.68	1.53	45.68	2.06	90.17	13.4875	0.0000	YES >	7	0.1892	0.0095	SIG_FDR >
Georgia	271.39	1.50	18.32	Georgia	238.72	1.32	25.87	1.99	40.48	16.3839	0.0000	YES >	14	0.3784	0.0189	SIG_FDR >
Hawaii	262.51	1.98	26.53	Hawaii	231.28	2.34	48.97	3.07	74.11	10.1800	0.0000	YES >	18	0.4865	0.0243	SIG_FDR >
Idaho	273.84	0.77	57.24	Idaho	248.97	2.67	40.42	2.78	47.20	8.9391	0.0000	YES >	25	0.6757	0.0338	SIG_FDR >
Illinois	271.12	1.37	28.05	Illinois	234.65	3.43	14.52	3.69	19.30	9.8720	0.0000	YES >	32	0.8649	0.0432	SIG_FDR >
Indiana	271.01	1.04	40.45	Indiana	243.46	2.51	14.93	2.72	20.27	10.1308	0.0000	YES >	28	0.7568	0.0378	SIG_FDR >
Iowa	279.55	1.12	41.94	Iowa	255.68	2.65	20.67	2.88	28.30	8.2798	0.0000	YES >	30	0.8108	0.0405	SIG_FDR >
Kentucky	260.31	1.20	25.35	Kentucky	236.42	2.04	29.07	2.37	46.44	10.0924	0.0000	YES >	23	0.6216	0.0311	SIG_FDR >
Louisiana	259.12	1.40	15.73	Louisiana	229.51	1.33	16.94	1.93	32.43	15.3561	0.0000	YES >	17	0.4595	0.0230	SIG_FDR >
Maryland	272.89	1.46	36.12	Maryland	238.06	1.62	27.70	2.18	60.50	15.9897	0.0000	YES >	8	0.2162	0.0108	SIG_FDR >
Michigan	271.43	0.99	61.25	Michigan	234.72	1.58	44.87	1.86	78.21	19.7385	0.0000	YES >	2	0.0541	0.0027	SIG_FDR >
Minnesota	278.01	0.88	58.46	Minnesota	238.75	3.65	34.62	3.75	38.72	10.4585	0.0000	YES >	24	0.6486	0.0324	SIG_FDR >
Montana	283.49	0.92	29.17	Montana	263.79	3.56	15.60	3.68	17.73	5.3569	0.0001	YES >	37	1.0000	0.0500	SIG_FDR >
Nebraska	279.31	1.08	23.20	Nebraska	243.83	3.93	10.72	4.08	12.36	8.6863	0.0000	YES >	34	0.9189	0.0459	SIG_FDR >
New Hampshire	273.82	0.94	37.64	New Hampshire	255.84	3.68	32.86	3.80	37.12	4.7345	0.0000	YES >	36	0.9730	0.0486	SIG_FDR >
New Jersey	279.33	1.15	41.29	New Jersey	242.79	1.83	30.02	2.16	52.46	16.8926	0.0000	YES >	10	0.2703	0.0135	SIG_FDR >
New Mexico	272.08	1.17	13.60	New Mexico	246.73	1.08	49.63	1.59	38.66	15.9117	0.0000	YES >	15	0.4054	0.0203	SIG_FDR >
New York	273.87	1.07	15.82	New York	236.35	2.64	22.35	2.85	29.17	13.1832	0.0000	YES >	22	0.5946	0.0297	SIG_FDR >
North Carolina	261.68	1.34	52.13	North Carolina	230.79	1.16	23.94	1.78	71.92	17.3968	0.0000	YES >	3	0.0811	0.0041	SIG_FDR >
North Dakota	284.24	1.04	14.98	North Dakota	246.59	5.06	5.58	5.17	6.06	7.2857	0.0003	YES >	38	1.0270	0.0514	SIG_FDR >
Ohio	268.91	1.04	35.06	Ohio	234.11	1.41	23.57	1.75	46.65	19.8745	0.0000	YES >	6	0.1622	0.0081	SIG_FDR >
Oklahoma	268.53	1.26	44.25	Oklahoma	239.72	2.10	22.95	2.44	39.78	11.7830	0.0000	YES >	20	0.5405	0.0270	SIG_FDR >
Oregon	273.84	0.91	56.91	Oregon	252.26	2.44	21.88	2.60	28.25	8.2844	0.0000	YES >	29	0.7838	0.0392	SIG_FDR >
Pennsylvania	272.13	1.10	39.05	Pennsylvania	238.48	2.86	10.15	3.06	13.30	11.6480	0.0000	YES >	33	0.8919	0.0446	SIG_FDR >
Rhode Island	265.65	0.73	55.81	Rhode Island	228.73	1.57	33.13	1.73	47.87	21.3595	0.0000	YES >	5	0.1351	0.0068	SIG_FDR >
Texas	273.21	1.29	23.01	Texas	242.52	1.54	28.18	2.01	50.92	15.2846	0.0000	YES >	11	0.2973	0.0149	SIG_FDR >
Virginia	271.72	1.62	26.10	Virginia	242.45	1.51	49.08	2.22	65.05	13.1852	0.0000	YES >	13	0.3514	0.0176	SIG_FDR >
West Virginia	257.66	0.93	47.22	West Virginia	233.13	3.16	44.22	3.29	51.87	7.4508	0.0000	YES >	27	0.7297	0.0365	SIG_FDR >
Wisconsin	279.36	1.12	52.05	Wisconsin	241.86	3.54	5.04	3.72	9.73	10.0864	0.0000	YES >	35	0.9459	0.0473	SIG_FDR >
Wyoming	274.75	0.71	48.20	Wyoming	255.01	2.10	19.40	2.21	23.92	8.9277	0.0000	YES >	31	0.8378	0.0419	SIG_FDR >
Guam	256.79	3.54	13.19	Guam	211.26	1.70	25.12	3.93	19.46	11.5954	0.0000	YES >	26	0.7027	0.0351	SIG_FDR >

1990 W/BH

NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:

Significant Test Calculation for Change in Average Scale Score Gap between White and Black/Hispanic from 1990 to 2000

2000 Gap (W-BH)				1990 Gap (W-BH)				Pooled		T- Test			Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	35.81	1.51	99.90	Nation	30.54	2.55	49.67	2.97	85.44	1.7742	0.0796					
Northeast	33.63	3.44	40.35	Northeast	28.14	7.11	15.33	7.90	22.89	0.6938	0.4950		3	1.5000	0.0750	
Southeast	34.36	2.41	40.47	Southeast	30.21	5.21	14.52	5.74	21.08	0.7229	0.4777		2	1.0000	0.0500	
Central	39.28	4.46	15.67	Central	37.36	5.66	6.31	7.20	14.35	0.2663	0.7939		4	2.0000	0.1000	
West	33.51	2.50	68.66	West	24.87	4.12	21.96	4.82	39.41	1.7900	0.0812		1	0.5000	0.0250	
Alabama	36.31	2.49	73.69	Alabama	30.08	1.81	54.03	3.08	124.64	2.0199	0.0455	YES >	2	0.0690	0.0034	
Arizona	32.45	2.50	57.46	Arizona	28.91	2.04	42.25	3.22	99.46	1.0970	0.2753		14	0.4828	0.0241	
Arkansas	37.20	2.44	51.73	Arkansas	33.65	1.52	79.06	2.88	90.58	1.2345	0.2202		11	0.3793	0.0190	
California	32.37	3.19	34.97	California	35.60	2.14	77.47	3.84	67.47	-0.8404	0.4037		18	0.6207	0.0310	
Connecticut	44.14	2.34	41.36	Connecticut	38.52	2.18	25.77	3.20	65.27	1.7558	0.0838		4	0.1379	0.0069	
Georgia	34.14	2.06	66.60	Georgia	32.67	1.99	40.48	2.87	102.27	0.5145	0.6080		24	0.8276	0.0414	
Hawaii	25.20	4.98	24.24	Hawaii	31.22	3.07	74.11	5.85	44.05	-1.0297	0.3088		15	0.5172	0.0259	
Idaho	32.04	4.01	10.73	Idaho	24.87	2.78	47.20	4.88	22.39	1.4701	0.1557		7	0.2414	0.0121	
Illinois	29.63	3.14	38.31	Illinois	36.46	3.69	19.30	4.85	45.29	-1.4102	0.1654		8	0.2759	0.0138	
Indiana	25.23	2.65	38.85	Indiana	27.55	2.72	20.27	3.79	52.34	-0.6105	0.5442		23	0.7931	0.0397	
Kentucky	24.16	3.64	12.50	Kentucky	23.89	2.37	46.44	4.34	24.14	0.0639	0.9495		28	0.9655	0.0483	
Louisiana	36.29	2.29	44.93	Louisiana	29.61	1.93	32.43	2.99	77.35	2.2329	0.0285	YES >	1	0.0345	0.0017	
Maryland	38.39	2.32	73.01	Maryland	34.83	2.18	60.50	3.18	133.39	1.1193	0.2650		13	0.4483	0.0224	
Michigan	39.43	2.45	58.75	Michigan	36.71	1.86	78.21	3.07	116.90	0.8868	0.3770		17	0.5862	0.0293	
Minnesota	39.05	4.82	14.81	Minnesota	39.26	3.75	38.72	6.11	33.49	-0.0347	0.9726		29	1.0000	0.0500	
Montana	14.91	4.65	17.05	Montana	19.70	3.68	17.73	5.93	32.74	-0.8077	0.4253		19	0.6552	0.0328	
Nebraska	32.96	3.22	31.26	Nebraska	35.42	4.08	12.36	5.20	28.23	-0.4749	0.6385		26	0.8966	0.0448	
New Mexico	27.18	2.37	58.46	New Mexico	25.35	1.59	38.66	2.86	94.13	0.6396	0.5240		22	0.7586	0.0379	
New York	31.42	3.88	18.13	New York	37.52	2.85	29.17	4.82	36.32	-1.2678	0.2130		9	0.3103	0.0155	
North Carolina	33.20	1.80	91.48	North Carolina	30.89	1.78	71.92	2.53	161.51	0.9152	0.3615		16	0.5517	0.0276	
North Dakota	22.48	6.14	13.30	North Dakota	37.65	5.17	6.06	8.03	18.48	-1.8901	0.0750		3	0.1034	0.0052	
Ohio	28.07	3.52	21.53	Ohio	34.80	1.75	46.65	3.93	32.59	-1.7132	0.0964		5	0.1724	0.0086	
Oklahoma	26.28	4.37	12.08	Oklahoma	28.80	2.44	39.78	5.01	20.23	-0.5042	0.6197		25	0.8621	0.0431	
Oregon	25.20	4.63	33.42	Oregon	21.57	2.60	28.25	5.31	51.76	0.6826	0.4980		21	0.7241	0.0362	
Rhode Island	34.69	2.48	17.86	Rhode Island	36.92	1.73	47.87	3.02	36.23	-0.7383	0.4651		20	0.6897	0.0345	
Texas	25.69	2.33	52.29	Texas	30.68	2.01	50.92	3.07	101.41	-1.6264	0.1070		6	0.2069	0.0103	
Virginia	29.70	2.31	60.19	Virginia	29.27	2.22	65.05	3.20	124.48	0.1328	0.8946		27	0.9310	0.0466	
West Virginia	18.68	3.90	13.39	West Virginia	24.54	3.29	51.87	5.10	34.74	-1.1472	0.2593		12	0.4138	0.0207	
Wyoming	24.86	3.45	38.28	Wyoming	19.74	2.21	23.92	4.09	60.01	1.2509	0.2158		10	0.3448	0.0172	

NAEP 2000 GRADE 8 NATIONAL AND STATE SCIENCE ASSESSMENT:

Percentages and Average Scale Scores for Student Eligible and not Eligible for School Lunch Program

	Total			School Lunch Not Eligible							School Lunch Eligible						
	N	Mean	SE	N	Pct	SE	DF	Mean	SE	DF	N	Pct	SE	DF	Mean	SE	DF
Nation	9353	274.42	0.84	4725	55.26	1.81	43.60	284.61	1.13	54.60	3234	28.38	1.03	62.00	255.14	1.17	62.00
Northeast	1686	275.43	2.21	786	53.84	4.65	19.37	286.43	2.05	13.16	635	27.61	2.72	35.73	252.98	2.73	19.72
Southeast	2786	265.26	1.45	1495	55.43	2.17	33.91	276.14	1.89	15.50	1108	37.52	1.84	39.89	249.80	1.86	24.60
Central	1769	283.05	2.12	936	59.01	4.31	27.31	291.38	2.18	23.69	445	20.33	2.20	40.30	266.08	3.78	10.79
West	3112	272.86	1.57	1508	53.08	3.31	35.18	283.21	1.94	21.32	1046	29.33	2.11	47.70	254.81	2.37	38.89
Alabama	2327	262.16	1.77	1240	52.20	2.93	49.10	274.80	1.68	44.36	882	38.60	2.32	54.89	243.15	1.83	28.10
Arizona	1786	270.72	1.53	996	54.23	3.50	43.39	279.88	1.53	37.14	521	30.86	2.86	30.16	251.85	2.45	35.57
Arkansas	2170	261.36	1.37	1191	54.87	2.03	31.50	269.26	1.49	36.68	828	38.06	1.93	29.72	248.60	2.14	31.43
California	1628	262.17	2.04	817	48.68	4.27	36.58	273.29	3.31	20.74	534	35.31	3.19	33.42	241.98	2.14	22.71
Connecticut	2454	281.90	1.37	1721	88.39	2.73	43.89	291.88	1.20	47.98	413	18.99	2.74	5.79	250.68	4.03	3.81
Georgia	2513	266.33	1.25	1207	49.01	2.81	40.19	277.70	1.66	37.38	742	29.02	2.09	50.32	248.25	1.39	52.56
Hawaii	2277	262.77	1.34	1188	52.50	1.19	51.75	269.90	1.64	20.56	875	37.90	1.26	50.93	251.16	1.96	15.63
Idaho	1971	277.92	1.31	1244	82.09	1.46	20.81	283.54	1.41	33.21	543	28.92	1.19	40.32	264.46	2.67	14.40
Illinois	1719	276.91	1.61	978	64.61	2.99	53.87	285.10	1.48	30.02	635	30.24	2.58	59.32	259.17	3.14	30.34
Indiana	1855	283.05	1.45	1326	71.17	3.51	26.19	287.80	1.39	18.89	320	17.79	2.00	15.53	267.44	2.26	17.22
Kansas	1676	283.68	1.44	1072	64.44	3.86	13.26	289.54	1.66	43.45	416	24.24	1.59	45.36	267.32	2.44	20.24
Kentucky	2294	271.56	1.40	1347	58.36	2.06	37.14	281.44	1.49	33.98	915	40.20	2.05	36.93	257.08	1.73	31.52
Louisiana	2359	258.98	1.50	881	36.76	2.49	37.34	275.67	1.64	25.05	1137	49.52	2.76	26.67	246.25	2.03	19.23
Maine	2102	283.64	1.19	1518	71.08	2.00	33.68	287.08	1.32	45.53	457	22.68	1.62	38.87	272.91	2.13	37.85
Maryland	2401	276.01	1.43	1555	62.72	3.38	25.40	286.26	1.36	53.08	541	21.99	1.69	48.69	251.14	2.19	36.73
Massachusetts	2303	283.12	1.25	1694	74.29	2.41	30.47	288.87	1.17	30.23	457	19.84	1.71	40.53	260.82	2.90	16.26
Michigan	1975	278.45	1.60	1330	68.01	3.09	17.48	286.33	1.65	39.58	456	21.36	1.70	41.31	255.62	2.23	29.08
Minnesota	1525	287.65	1.44	1120	71.64	3.08	20.68	291.04	1.38	37.24	298	21.27	1.99	16.91	273.98	3.35	21.42
Mississippi	2394	254.03	1.30	1016	42.77	2.18	28.83	266.84	1.63	23.51	1107	45.57	2.47	50.85	241.44	1.96	23.94
Missouri	2329	273.58	1.46	1517	65.48	2.48	26.31	280.28	1.33	46.88	620	26.67	1.57	31.12	256.05	2.30	25.44
Montana	1740	286.58	1.22	984	55.30	2.45	30.59	291.67	1.23	22.77	399	24.71	1.84	42.85	274.99	2.83	12.81
Nebraska	1916	280.62	1.12	1344	68.50	2.60	7.25	287.56	1.10	36.04	528	28.37	1.65	33.59	261.98	2.49	26.42
Nevada	2614	268.18	0.94	1886	71.46	0.89	40.90	275.02	0.90	62.00	646	25.53	0.89	37.76	248.19	2.09	21.20
New Mexico	1919	259.84	1.74	707	35.46	2.28	33.46	271.50	2.04	8.25	784	40.01	2.15	21.11	250.49	2.15	16.93
New York	1633	276.26	2.09	672	42.21	4.40	34.75	286.02	2.05	25.26	569	34.39	2.68	31.31	260.78	4.05	10.92
North Carolina	2354	280.13	1.13	1542	66.23	1.93	47.33	288.79	1.32	38.65	670	27.96	1.51	43.29	261.39	1.74	44.65
North Dakota	2227	283.07	1.07	1302	61.66	1.70	24.65	287.33	1.32	25.56	494	23.03	1.34	48.17	271.32	2.67	23.34
Ohio	2084	282.67	1.48	1543	74.04	2.93	32.46	288.60	1.41	24.41	339	16.44	1.46	36.36	261.60	2.83	10.91
Oklahoma	2424	271.65	1.46	1310	53.23	2.33	39.59	280.24	1.15	40.54	928	39.14	2.18	28.87	259.30	2.18	21.47
Oregon	1779	280.64	1.65	1062	60.10	3.15	33.79	286.55	1.92	40.48	408	23.85	1.93	39.47	262.70	2.77	40.22
Rhode Island	2314	273.43	1.11	1559	66.44	1.06	40.23	282.76	1.03	40.60	633	28.22	1.01	44.22	252.35	1.78	25.05
South Carolina	2306	266.35	1.39	1284	55.50	1.69	56.32	278.26	1.46	41.61	970	42.30	1.95	42.19	251.55	1.71	20.27
Tennessee	2232	263.44	1.72	1408	62.78	1.90	48.97	273.54	1.72	52.41	709	33.09	1.79	41.09	244.44	2.51	19.65
Texas	2317	274.85	1.47	1229	52.87	2.39	36.87	285.49	1.74	30.65	927	40.83	2.08	44.00	260.85	2.01	14.11
Utah	2472	275.44	1.16	1689	67.42	1.82	19.29	281.06	0.96	48.06	535	22.45	1.27	41.62	261.55	2.03	32.58
Vermont	2004	283.41	1.10	1435	71.38	2.17	24.09	288.18	1.18	39.11	372	19.24	1.36	35.76	265.68	1.94	30.28
Virginia	2469	276.67	1.50	1745	70.58	2.40	30.51	282.39	1.50	44.81	517	21.21	1.37	45.77	257.77	1.96	37.25
West Virginia	2463	270.78	1.00	1394	55.54	2.22	48.30	278.00	1.24	47.02	901	37.67	2.08	38.94	259.20	1.39	38.01
Wyoming	2634	276.69	1.18	1901	71.81	1.40	23.51	280.77	1.34	23.16	611	24.25	1.15	24.24	265.09	1.64	37.97
Dist. Of Columbia	1614	234.43	2.19	352	21.12	1.12	21.93	261.13	3.30	10.63	953	60.14	1.24	23.54	226.51	2.06	10.18
DoDEA/DDESS	646	277.27	2.33	315	48.01	1.82	45.06	281.39	3.00	28.28	193	31.09	2.02	41.17	268.34	2.69	44.31
DoDEA/DoDDS	1951	278.34	1.04	1011	51.18	1.10	24.76	280.35	1.63	20.52	288	14.86	0.79	42.59	270.55	2.27	21.13
Guam	1017	233.45	2.15	769	75.40	1.60	9.77	238.00	2.24	6.48	188	18.81	1.29	28.69	215.77	4.25	15.14

NAEP 1996 GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:

Percent and Average Scale Scores for Students Eligible and Not Eligible for School Lunch Program

	Total			SCHOOL LUNCH NOT ELIGIBLE						SCHOOL LUNCH ELIGIBLE					
	N	Mean	SE	N	Pct	SE	DF	Mean	SE	DF	N	Pct	SE	DF	Mean	SE	DF
Nation	5590	270.51	1.21	3041	55.64	2.60	33.42	278.83	1.51	15.21	1781	29.95	1.55	46.56	251.63	1.51	34.31
Northeast	948	275.95	3.59	654	67.24	4.28	27.15	283.84	4.50	4.89	292	32.63	4.24	26.96	259.76	4.05	11.53
Southeast	1543	263.71	2.99	833	55.63	4.01	20.67	272.44	3.60	8.81	575	31.08	3.59	11.01	244.06	3.17	19.58
Central	1211	276.16	3.31	696	57.09	6.95	11.72	283.83	2.24	15.42	338	26.75	4.56	8.31	251.89	5.44	9.16
West	1888	266.06	2.37	858	47.83	4.07	20.06	275.65	2.31	13.93	576	29.89	2.74	35.91	251.81	2.60	24.90
Alabama	2261	256.59	2.15	1325	59.19	2.54	37.65	269.51	2.28	13.22	871	38.61	2.39	35.21	236.93	2.20	9.03
Alaska	1462	277.64	1.77	574	33.39	1.52	20.98	282.45	2.30	24.12	229	15.50	1.60	16.78	256.62	5.16	7.16
Arizona	2136	267.87	1.56	1062	50.46	3.37	43.16	277.00	1.26	49.47	564	27.03	2.42	40.19	253.93	3.84	9.03
Arkansas	1845	261.65	1.52	1157	60.27	2.74	23.19	269.93	1.37	32.25	586	32.42	1.92	37.28	246.15	2.67	13.10
California	2290	262.77	1.85	1099	46.63	3.49	36.99	276.28	1.89	48.08	775	35.93	2.47	20.58	246.31	2.10	41.19
Colorado	2530	275.61	1.09	1641	65.27	2.49	27.31	282.37	1.22	52.77	594	23.55	1.63	37.18	259.35	1.53	41.51
Connecticut	2485	279.59	1.12	1872	74.20	2.36	11.28	287.12	1.08	41.78	495	21.12	2.19	9.41	254.23	3.31	8.72
Delaware	1798	266.73	0.95	1060	59.18	0.99	44.94	274.11	1.15	37.29	345	19.79	0.93	48.85	246.89	1.93	27.68
Florida	2401	263.64	1.84	1341	53.26	2.84	27.80	275.09	1.81	11.67	907	38.67	1.75	52.71	247.92	2.18	9.11
Georgia	2364	262.47	1.65	1277	53.84	3.16	46.50	272.76	2.14	17.41	760	32.14	2.18	40.09	241.65	1.49	32.14
Hawaii	2189	262.13	0.97	1408	64.88	1.30	44.18	268.74	1.21	45.12	657	30.20	1.31	44.18	249.46	1.55	31.11
Indiana	2347	275.53	1.44	1784	76.52	1.73	22.50	281.52	1.38	45.15	548	22.58	1.52	30.15	256.06	1.93	35.96
Iowa	2169	283.99	1.31	1634	74.36	2.18	18.31	287.08	1.20	59.13	398	19.38	1.37	47.79	272.11	2.60	47.98
Kentucky	2461	266.59	1.07	1432	57.89	1.95	35.05	275.71	1.29	17.35	842	34.05	1.74	57.47	252.33	1.29	37.40
Louisiana	2599	252.38	1.57	1147	44.46	2.35	52.15	265.12	1.53	26.96	1239	47.70	2.58	42.17	240.83	1.82	37.52
Maine	2258	284.06	1.29	1639	72.54	2.00	29.15	287.63	1.29	32.39	490	21.67	1.16	47.59	272.10	2.15	10.39
Maryland	2137	269.68	2.13	1477	70.08	2.17	26.11	279.08	2.44	24.62	554	25.21	1.59	24.94	242.84	2.30	24.03
Massachusetts	2280	277.57	1.74	1683	75.20	2.30	21.27	284.01	1.54	32.49	420	17.90	1.35	35.39	253.69	2.55	25.58
Michigan	2155	276.87	1.79	1428	66.24	2.82	37.23	283.85	1.75	33.56	407	19.55	1.88	32.85	257.02	2.69	16.60
Minnesota	2425	284.05	1.34	1610	65.13	3.67	24.31	288.04	1.31	42.10	467	19.79	1.44	33.27	269.70	1.78	26.64
Mississippi	2487	250.22	1.19	1041	41.78	2.00	27.82	265.11	1.25	28.06	1346	53.48	1.74	52.85	238.77	1.60	12.02
Missouri	2386	273.28	1.39	1605	66.32	2.52	28.06	279.78	1.31	51.73	609	25.63	1.34	31.39	259.25	1.91	43.32
Montana	1912	283.00	1.30	1128	58.85	2.06	48.20	289.55	1.00	43.79	459	24.70	1.92	29.27	265.55	2.57	34.53
Nebraska	2610	282.77	1.02	1800	68.55	1.20	42.91	287.59	1.08	43.21	678	26.57	1.02	52.53	269.36	1.93	10.87
New Mexico	2371	261.97	1.22	973	43.23	1.96	21.72	272.04	1.35	30.51	1028	41.96	1.73	20.52	250.55	1.81	19.06
New York	1962	270.23	1.66	1002	53.78	2.84	29.26	282.12	1.47	38.44	767	37.47	2.53	30.94	253.06	2.45	27.22
North Carolina	2636	267.83	1.42	1656	62.25	2.39	37.21	277.00	1.50	35.12	798	30.80	1.91	40.50	250.44	1.77	24.77
North Dakota	2602	284.22	0.91	1703	66.85	1.54	48.52	288.02	0.95	53.63	632	24.31	1.27	49.94	274.42	1.96	33.35
Oregon	2323	276.34	1.47	1453	62.31	2.31	32.39	282.19	1.54	33.07	496	22.01	1.70	37.79	261.90	2.12	22.60
Rhode Island	2055	268.88	0.92	1468	69.93	0.80	43.05	276.95	0.89	33.03	508	25.97	0.80	43.64	250.31	2.17	21.89
South Carolina	2143	260.78	1.54	1186	55.06	1.77	39.60	272.38	1.60	36.33	934	43.89	1.87	41.44	246.18	1.72	23.19
Tennessee	2300	263.12	1.40	1513	64.45	2.65	19.98	270.67	1.92	38.77	605	27.31	2.03	29.62	245.65	2.34	42.48
Texas	2245	270.20	1.43	1281	57.17	2.70	44.57	281.82	1.51	30.78	799	36.80	2.23	54.43	251.94	1.65	20.45
Utah	2697	276.77	1.03	1905	70.13	1.86	21.00	279.54	0.95	62.00	529	20.19	1.28	30.77	267.69	2.38	15.84
Vermont	2001	279.25	0.95	1468	72.96	1.68	14.67	282.87	1.12	37.93	358	18.75	1.17	27.64	265.75	1.77	45.67
Virginia	2545	269.75	1.56	1737	66.97	3.01	30.19	276.86	1.31	24.93	555	22.84	1.92	20.18	245.87	2.63	14.34
Washington	2434	276.12	1.28	1767	71.73	1.99	35.63	282.41	1.15	28.42	583	25.32	1.54	45.84	258.31	2.08	30.33
West Virginia	2578	264.87	1.02	1591	60.87	1.65	19.42	270.84	1.13	41.93	900	35.58	1.27	61.63	253.78	1.51	24.27
Wisconsin	2165	282.85	1.53	1422	66.58	3.97	40.66	288.67	1.29	52.59	437	19.64	1.71	18.08	261.60	2.97	20.29
Wyoming	2696	274.78	0.91	2002	73.43	0.81	39.03	277.46	1.05	44.15	560	20.71	0.77	40.68	262.42	1.81	52.98
Dist. Of Columbia	1693	232.83	1.35	521	30.18	0.98	38.79	244.75	2.39	14.49	923	54.88	1.06	46.98	225.96	1.81	40.53
DoDEA/DDESS	620	269.08	2.34	255	39.98	1.81	44.07	275.81	2.83	41.56	167	29.06	1.81	40.82	259.62	4.46	17.34
DoDEA/DoDDS	2160	274.84	0.92	1022	47.50	1.03	8.73	275.81	1.26	35.89	178	8.09	0.49	31.02	266.98	3.58	20.31
Guam	928	238.61	1.68	764	82.25	1.35	55.22	243.31	1.85	57.21	158	17.02	1.27	49.76	217.42	3.69	39.57

NAEP 2000 GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:
Average Scale Scores for Students Eligible School Lunch Program and Not Eligible in Public School

	Slunch Not Eligible			Slunch Eligible			Gap (Not Eligible - Eligible)				
	Mean	SE	DF	Mean	SE	DF	Mean	SE	DF	SIG_FDR	Sig T-test?
Nation	284.61	1.13	54.60	255.14	1.17	62.00	29.47	1.63	116.49	n/a	>
Northeast	286.43	2.05	13.16	252.98	2.73	19.72	33.46	3.41	32.66	>	>
Southeast	276.14	1.89	15.50	249.80	1.86	24.60	26.34	2.65	37.83	>	>
Central	291.38	2.18	23.69	266.08	3.78	10.79	25.30	4.36	18.24	>	>
West	283.21	1.94	21.32	254.81	2.37	38.89	28.40	3.06	59.62	>	>
Alabama	274.80	1.68	44.36	243.15	1.83	28.10	31.65	2.48	65.78	>	>
Arizona	279.88	1.53	37.14	251.85	2.45	35.57	28.03	2.89	59.89	>	>
Arkansas	269.26	1.49	36.68	248.60	2.14	31.43	20.66	2.61	57.54	>	>
California	273.29	3.31	20.74	241.98	2.14	22.71	31.32	3.95	36.01	>	>
Connecticut	291.88	1.20	47.98	250.68	4.03	3.81	41.20	4.21	4.51	>	>
Georgia	277.70	1.66	37.38	248.25	1.39	52.56	29.44	2.17	80.23	>	>
Hawaii	269.90	1.64	20.56	251.16	1.96	15.63	18.74	2.55	32.90	>	>
Idaho	283.54	1.41	33.21	264.46	2.67	14.40	19.08	3.02	22.74	>	>
Illinois	285.10	1.48	30.02	259.17	3.14	30.34	25.93	3.48	43.14	>	>
Indiana	287.80	1.39	18.89	267.44	2.26	17.22	20.36	2.65	29.01	>	>
Kansas	289.54	1.66	43.45	267.32	2.44	20.24	22.21	2.95	39.43	>	>
Kentucky	281.44	1.49	33.98	257.08	1.73	31.52	24.37	2.29	63.36	>	>
Louisiana	275.67	1.64	25.05	246.25	2.03	19.23	29.42	2.62	39.57	>	>
Maine	287.08	1.32	45.53	272.91	2.13	37.85	14.18	2.51	64.52	>	>
Maryland	286.26	1.36	53.08	251.14	2.19	36.73	35.12	2.58	64.06	>	>
Massachusetts	288.87	1.17	30.23	260.82	2.90	16.26	28.05	3.13	21.70	>	>
Michigan	286.33	1.65	39.58	255.62	2.23	29.08	30.71	2.78	57.04	>	>
Minnesota	291.04	1.38	37.24	273.98	3.35	21.42	17.06	3.62	28.79	>	>
Mississippi	266.84	1.63	23.51	241.44	1.96	23.94	25.41	2.55	46.08	>	>
Missouri	280.28	1.33	46.88	256.05	2.30	25.44	24.24	2.66	42.62	>	>
Montana	291.67	1.23	22.77	274.99	2.83	12.81	16.68	3.08	17.77	>	>
Nebraska	287.56	1.10	36.04	261.98	2.49	26.42	25.58	2.72	36.63	>	>
Nevada	275.02	0.90	62.00	248.19	2.09	21.20	26.84	2.28	29.46	>	>
New Mexico	271.50	2.04	8.25	250.49	2.15	16.93	21.01	2.96	22.92	>	>
New York	286.02	2.05	25.26	260.78	4.05	10.92	25.24	4.54	16.74	>	>
North Carolina	288.79	1.32	38.65	261.39	1.74	44.65	27.40	2.18	80.14	>	>
North Dakota	287.33	1.32	25.56	271.32	2.67	23.34	16.01	2.98	34.25	>	>
Ohio	288.60	1.41	24.41	261.60	2.83	10.91	27.00	3.16	16.53	>	>
Oklahoma	280.24	1.15	40.54	259.30	2.18	21.47	20.94	2.47	33.79	>	>
Oregon	286.55	1.92	40.48	262.70	2.77	40.22	23.85	3.37	71.83	>	>
Rhode Island	282.76	1.03	40.60	252.35	1.78	25.05	30.41	2.06	41.56	>	>
South Carolina	278.26	1.46	41.61	251.55	1.71	20.27	26.71	2.25	48.23	>	>
Tennessee	273.54	1.72	52.41	244.44	2.51	19.65	29.10	3.04	39.11	>	>
Texas	285.49	1.74	30.65	260.85	2.01	14.11	24.64	2.66	34.37	>	>
Utah	281.06	0.96	48.06	261.55	2.03	32.58	19.51	2.24	47.30	>	>
Vermont	288.18	1.18	39.11	265.68	1.94	30.28	22.50	2.27	51.49	>	>
Virginia	282.39	1.50	44.81	257.77	1.96	37.25	24.62	2.47	72.81	>	>
West Virginia	278.00	1.24	47.02	259.20	1.39	38.01	18.80	1.86	81.05	>	>
Wyoming	280.77	1.34	23.16	265.09	1.64	37.97	15.68	2.12	61.01	>	>
Dist. Of Columbia	261.13	3.30	10.63	226.51	2.06	10.18	34.62	3.89	17.72	>	>
DoDEA/DDESS	281.39	3.00	28.28	268.34	2.69	44.31	13.05	4.03	65.06	>	>
DoDEA/DoDDS	280.35	1.63	20.52	270.55	2.27	21.13	9.81	2.79	38.08	>	>
Guam	238.00	2.24	6.48	215.77	4.25	15.14	22.22	4.80	20.96	>	>

2000 S Lunch

NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:
Average Scale Scores for Students Eligible School Lunch Program and Not Eligible in Public School

	Slunch Not Eligible			Slunch Eligible			Gap (Not Eligible - Eligible)				
	Mean	SE	DF	Mean	SE	DF	Mean	SE	DF	SIG_FDR	Sig T-test?
Nation	278.83	1.51	15.21	251.63	1.51	34.31	27.20	2.13	42.03	n/a	>
Northeast	283.84	4.50	4.89	259.76	4.05	11.53	24.08	6.06	12.53	>	>
Southeast	272.44	3.60	8.81	244.06	3.17	19.58	28.38	4.80	21.82	>	>
Central	283.83	2.24	15.42	251.89	5.44	9.16	31.94	5.88	12.33	>	>
West	275.65	2.31	13.93	251.81	2.60	24.90	23.84	3.48	37.70	>	>
Alabama	269.51	2.28	13.22	236.93	2.20	9.03	32.58	3.17	21.70	>	>
Alaska	282.45	2.30	24.12	256.62	5.16	7.16	25.83	5.65	10.17	>	>
Arizona	277.00	1.26	49.47	253.93	3.84	9.03	23.07	4.04	11.05	>	>
Arkansas	269.93	1.37	32.25	246.15	2.67	13.10	23.78	3.00	20.35	>	>
California	276.28	1.89	48.08	246.31	2.10	41.19	29.97	2.83	86.33	>	>
Colorado	282.37	1.22	52.77	259.35	1.53	41.51	23.02	1.96	84.31	>	>
Connecticut	287.12	1.08	41.78	254.23	3.31	8.72	32.89	3.49	10.66	>	>
Delaware	274.11	1.15	37.29	246.89	1.93	27.68	27.22	2.24	46.53	>	>
Florida	275.09	1.81	11.67	247.92	2.18	9.11	27.17	2.83	18.99	>	>
Georgia	272.76	2.14	17.41	241.65	1.49	32.14	31.10	2.61	34.01	>	>
Hawaii	268.74	1.21	45.12	249.46	1.55	31.11	19.28	1.97	64.38	>	>
Indiana	281.52	1.38	45.15	256.06	1.93	35.96	25.46	2.37	68.07	>	>
Iowa	287.08	1.20	59.13	272.11	2.60	47.98	14.97	2.86	68.15	>	>
Kentucky	275.71	1.29	17.35	252.33	1.29	37.40	23.38	1.82	47.59	>	>
Louisiana	265.12	1.53	26.96	240.83	1.82	37.52	24.30	2.38	64.48	>	>
Maine	287.63	1.29	32.39	272.10	2.15	10.39	15.53	2.51	18.43	>	>
Maryland	279.08	2.44	24.62	242.84	2.30	24.03	36.24	3.36	48.55	>	>
Massachusetts	284.01	1.54	32.49	253.69	2.55	25.58	30.32	2.98	43.17	>	>
Michigan	283.85	1.75	33.56	257.02	2.69	16.60	26.83	3.21	30.89	>	>
Minnesota	288.04	1.31	42.10	269.70	1.78	26.64	18.34	2.21	53.50	>	>
Mississippi	265.11	1.25	28.06	238.77	1.60	12.02	26.34	2.03	26.83	>	>
Missouri	279.78	1.31	51.73	259.25	1.91	43.32	20.53	2.32	79.15	>	>
Montana	289.55	1.00	43.79	265.55	2.57	34.53	24.01	2.76	44.98	>	>
Nebraska	287.59	1.08	43.21	269.36	1.93	10.87	18.23	2.22	18.30	>	>
New Mexico	272.04	1.35	30.51	250.55	1.81	19.06	21.50	2.26	38.75	>	>
New York	282.12	1.47	38.44	253.06	2.45	27.22	29.07	2.85	46.04	>	>
North Carolina	277.00	1.50	35.12	250.44	1.77	24.77	26.56	2.32	53.64	>	>
North Dakota	288.02	0.95	53.63	274.42	1.96	33.35	13.60	2.18	49.06	>	>
Oregon	282.19	1.54	33.07	261.90	2.12	22.60	20.29	2.62	44.18	>	>
Rhode Island	276.95	0.89	33.03	250.31	2.17	21.89	26.64	2.34	29.41	>	>
South Carolina	272.38	1.60	36.33	246.18	1.72	23.19	26.20	2.35	54.55	>	>
Tennessee	270.67	1.92	38.77	245.65	2.34	42.48	25.03	3.03	79.43	>	>
Texas	281.82	1.51	30.78	251.94	1.65	20.45	29.89	2.23	47.04	>	>
Utah	279.54	0.95	62.00	267.69	2.38	15.84	11.85	2.56	21.23	>	>
Vermont	282.87	1.12	37.93	265.75	1.77	45.67	17.12	2.10	75.02	>	>
Virginia	276.86	1.31	24.93	245.87	2.63	14.34	30.99	2.94	21.52	>	>
Washington	282.41	1.15	28.42	258.31	2.08	30.33	24.11	2.37	46.98	>	>
West Virginia	270.64	1.13	41.93	253.78	1.51	24.27	17.05	1.89	49.92	>	>
Wisconsin	288.67	1.29	52.59	261.60	2.97	20.29	27.08	3.24	28.23	>	>
Wyoming	277.46	1.05	44.15	262.42	1.81	52.98	15.04	2.10	83.44	>	>
Dist. Of Columbia	244.75	2.39	14.49	225.96	1.81	40.53	18.79	3.00	32.11	>	>
DoDEA/DDESS	275.81	2.83	41.56	259.62	4.46	17.34	16.19	5.28	31.96	>	>
DoDEA/DoDDS	275.81	1.26	35.89	266.98	3.58	20.31	8.83	3.80	25.41	>	>
Guam	243.31	1.85	57.21	217.42	3.69	39.57	25.88	4.13	59.40	>	>

1996 S Lunch

NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:
Change in Average Scale Score Gap between Student Eligible and Not Eligible for School Lunch Program

	2000			1996			2000-1996 Change in Gap		
	Mean	Pooled SE	Pooled DF	Mean	Pooled SE	Pooled DF	Difference	Sig FDR?	Sig T-test?
Nation	29.47	1.63	116.49	27.20	2.13	42.03	2.27	n/a	
Northeast	33.46	3.41	32.66	24.08	6.06	12.53	9.37		
Southeast	26.34	2.65	37.83	28.38	4.80	21.82	-2.04		
Central	25.30	4.36	18.24	31.94	5.88	12.33	-6.64		
West	28.40	3.06	59.62	23.84	3.48	37.70	4.56		
Alabama	31.65	2.48	65.78	32.58	3.17	21.70	-0.92		
Arizona	28.03	2.89	59.89	23.07	4.04	11.05	4.95		
Arkansas	20.66	2.61	57.54	23.78	3.00	20.35	-3.12		
California	31.32	3.95	36.01	29.97	2.83	86.33	1.35		
Connecticut	41.20	4.21	4.51	32.89	3.49	10.66	8.31		
Georgia	29.44	2.17	80.23	31.10	2.61	34.01	-1.66		
Hawaii	18.74	2.55	32.90	19.28	1.97	64.38	-0.54		
Indiana	20.36	2.65	29.01	25.46	2.37	68.07	-5.10		
Kentucky	24.37	2.29	63.36	23.38	1.82	47.59	0.99		
Louisiana	29.42	2.62	39.57	24.30	2.38	64.48	5.13		
Maine	14.18	2.51	64.52	15.53	2.51	18.43	-1.35		
Maryland	35.12	2.58	64.06	36.24	3.36	48.55	-1.12		
Massachusetts	28.05	3.13	21.70	30.32	2.98	43.17	-2.27		
Michigan	30.71	2.78	57.04	26.83	3.21	30.89	3.87		
Minnesota	17.06	3.62	28.79	18.34	2.21	53.50	-1.28		
Mississippi	25.41	2.55	46.08	26.34	2.03	26.83	-0.93		
Missouri	24.24	2.66	42.62	20.53	2.32	79.15	3.71		
Montana	16.68	3.08	17.77	24.01	2.76	44.98	-7.33		
Nebraska	25.58	2.72	36.63	18.23	2.22	18.30	7.35		>
New Mexico	21.01	2.96	22.92	21.50	2.26	38.75	-0.49		
New York	25.24	4.54	16.74	29.07	2.85	46.04	-3.83		
North Carolina	27.40	2.18	80.14	26.56	2.32	53.64	0.84		
North Dakota	16.01	2.98	34.25	13.60	2.18	49.06	2.41		
Oregon	23.85	3.37	71.83	20.29	2.62	44.18	3.56		
Rhode Island	30.41	2.06	41.56	26.64	2.34	29.41	3.77		
South Carolina	26.71	2.25	48.23	26.20	2.35	54.55	0.51		
Tennessee	29.10	3.04	39.11	25.03	3.03	79.43	4.08		
Texas	24.64	2.66	34.37	29.89	2.23	47.04	-5.25		
Utah	19.51	2.24	47.30	11.85	2.56	21.23	7.66		>
Vermont	22.50	2.27	51.49	17.12	2.10	75.02	5.37		
Virginia	24.62	2.47	72.81	30.99	2.94	21.52	-6.37		
West Virginia	18.80	1.86	81.05	17.05	1.89	49.92	1.74		
Wyoming	15.68	2.12	61.01	15.04	2.10	83.44	0.64		
Dist. Of Columbia	34.62	3.89	17.72	18.79	3.00	32.11	15.82	>	>
DoDEA/DDESS	13.05	4.03	65.06	16.19	5.28	31.96	-3.14		
DoDEA/DoDDS	9.81	2.79	38.08	6.83	3.80	25.41	0.98		
Guam	22.22	4.80	20.96	25.88	4.13	59.40	-3.66		

2000-1990 Gap Differences

NAEP 2000 GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:

Significant Test Calculation for Average Scale Score between Student Eligible and Not Eligible for School Lunch Program

2000 SLunch Not Eligible				2000 SLunch Eligible				Pooled		T Test			Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	284.61	1.13	54.60	Nation	255.14	1.17	62.00	1.63	116.49	18.0779	0.0000	YES >				
Northeast	286.43	2.05	13.16	Northeast	252.98	2.73	19.72	3.41	32.66	9.8007	0.0000	YES >	3	1.5000	0.0750	SIG_FDR >
Southeast	276.14	1.89	15.50	Southeast	249.80	1.86	24.60	2.65	37.83	9.9311	0.0000	YES >	2	1.0000	0.0500	SIG_FDR >
Central	291.38	2.18	23.69	Central	266.08	3.78	10.79	4.36	18.24	5.7967	0.0000	YES >	4	2.0000	0.1000	SIG_FDR >
West	283.21	1.94	21.32	West	254.81	2.37	38.89	3.06	59.62	9.2704	0.0000	YES >	1	0.5000	0.0250	SIG_FDR >
Alabama	274.80	1.68	44.36	Alabama	243.15	1.83	28.10	2.48	65.78	12.7649	0.0000	YES >	4	0.3636	0.0182	SIG_FDR >
Arizona	279.88	1.53	37.14	Arizona	251.85	2.45	35.57	2.89	59.89	9.6954	0.0000	YES >	11	1.0000	0.0500	SIG_FDR >
Arkansas	269.26	1.49	36.68	Arkansas	248.60	2.14	31.43	2.61	57.54	7.9252	0.0000	YES >	21	1.9091	0.0955	SIG_FDR >
California	273.29	3.31	20.74	California	241.98	2.14	22.71	3.95	36.01	7.9385	0.0000	YES >	25	2.2727	0.1136	SIG_FDR >
Connecticut	291.88	1.20	47.98	Connecticut	250.68	4.03	3.81	4.21	4.51	9.7953	0.0006	YES >	41	3.7273	0.1864	SIG_FDR >
Georgia	277.70	1.66	37.38	Georgia	248.25	1.39	52.56	2.17	80.23	13.5877	0.0000	YES >	1	0.0909	0.0045	SIG_FDR >
Hawaii	269.90	1.64	20.56	Hawaii	251.16	1.96	15.63	2.55	32.90	7.3434	0.0000	YES >	30	2.7273	0.1364	SIG_FDR >
Idaho	283.54	1.41	33.21	Idaho	264.46	2.67	14.40	3.02	22.74	6.3117	0.0000	YES >	35	3.1818	0.1591	SIG_FDR >
Illinois	285.10	1.48	30.02	Illinois	259.17	3.14	30.34	3.48	43.14	7.4613	0.0000	YES >	26	2.3636	0.1182	SIG_FDR >
Indiana	287.80	1.39	18.89	Indiana	267.44	2.26	17.22	2.65	29.01	7.6769	0.0000	YES >	29	2.6364	0.1318	SIG_FDR >
Kansas	289.54	1.66	43.45	Kansas	267.32	2.44	20.24	2.95	39.43	7.5315	0.0000	YES >	27	2.4545	0.1227	SIG_FDR >
Kentucky	281.44	1.49	33.98	Kentucky	257.08	1.73	31.52	2.29	63.36	10.6591	0.0000	YES >	9	0.8182	0.0409	SIG_FDR >
Louisiana	275.67	1.64	25.05	Louisiana	246.25	2.03	19.23	2.62	39.57	11.2489	0.0000	YES >	12	1.0909	0.0545	SIG_FDR >
Maine	287.08	1.32	45.53	Maine	272.91	2.13	37.85	2.51	64.52	5.6595	0.0000	YES >	33	3.0000	0.1500	SIG_FDR >
Maryland	286.26	1.36	53.08	Maryland	251.14	2.19	36.73	2.58	64.06	13.6362	0.0000	YES >	2	0.1818	0.0091	SIG_FDR >
Massachusetts	288.87	1.17	30.23	Massachusetts	260.82	2.90	16.26	3.13	21.70	8.9709	0.0000	YES >	28	2.5455	0.1273	SIG_FDR >
Michigan	286.33	1.65	39.58	Michigan	255.62	2.23	29.08	2.78	57.04	11.0470	0.0000	YES >	8	0.7273	0.0364	SIG_FDR >
Minnesota	291.04	1.38	37.24	Minnesota	273.98	3.35	21.42	3.62	28.79	4.7091	0.0001	YES >	39	3.5455	0.1773	SIG_FDR >
Mississippi	266.84	1.63	23.51	Mississippi	241.44	1.96	23.94	2.55	46.08	9.9810	0.0000	YES >	14	1.2727	0.0636	SIG_FDR >
Missouri	280.28	1.33	46.88	Missouri	256.05	2.30	25.44	2.66	42.62	9.1160	0.0000	YES >	17	1.5455	0.0773	SIG_FDR >
Montana	291.67	1.23	22.77	Montana	274.99	2.83	12.81	3.08	17.77	5.4068	0.0000	YES >	38	3.4545	0.1727	SIG_FDR >
Nebraska	287.56	1.10	36.04	Nebraska	261.98	2.49	26.42	2.72	36.63	9.4017	0.0000	YES >	19	1.7273	0.0864	SIG_FDR >
Nevada	275.02	0.90	62.00	Nevada	248.19	2.09	21.20	2.28	29.46	11.7807	0.0000	YES >	15	1.3636	0.0682	SIG_FDR >
New Mexico	271.50	2.04	8.25	New Mexico	250.49	2.15	16.93	2.96	22.92	7.0882	0.0000	YES >	34	3.0909	0.1545	SIG_FDR >
New York	286.02	2.05	25.26	New York	260.78	4.05	10.92	4.54	16.74	5.5588	0.0000	YES >	37	3.3636	0.1682	SIG_FDR >
North Carolina	288.79	1.32	38.65	North Carolina	261.39	1.74	44.65	2.18	80.14	12.5473	0.0000	YES >	3	0.2727	0.0136	SIG_FDR >
North Dakota	287.33	1.32	25.56	North Dakota	271.32	2.67	23.34	2.98	34.25	5.3779	0.0000	YES >	36	3.2727	0.1636	SIG_FDR >
Ohio	288.60	1.41	24.41	Ohio	261.60	2.83	10.91	3.16	16.53	8.5395	0.0000	YES >	32	2.9091	0.1455	SIG_FDR >
Oklahoma	280.24	1.15	40.54	Oklahoma	259.30	2.18	21.47	2.47	33.79	8.4844	0.0000	YES >	23	2.0909	0.1045	SIG_FDR >
Oregon	286.55	1.92	40.48	Oregon	262.70	2.77	40.22	3.37	71.83	7.0726	0.0000	YES >	24	2.1818	0.1091	SIG_FDR >
Rhode Island	282.76	1.03	40.60	Rhode Island	252.35	1.78	25.05	2.06	41.56	14.7897	0.0000	YES >	5	0.4545	0.0227	SIG_FDR >
South Carolina	278.26	1.46	41.61	South Carolina	251.55	1.71	20.27	2.25	48.23	11.8798	0.0000	YES >	7	0.6364	0.0318	SIG_FDR >
Tennessee	273.54	1.72	52.41	Tennessee	244.44	2.51	19.65	3.04	39.11	9.5678	0.0000	YES >	16	1.4545	0.0727	SIG_FDR >
Texas	285.49	1.74	30.65	Texas	260.85	2.01	14.11	2.66	34.37	9.2730	0.0000	YES >	20	1.8182	0.0909	SIG_FDR >
Utah	281.06	0.96	48.06	Utah	261.55	2.03	32.58	2.24	47.30	8.6907	0.0000	YES >	18	1.6364	0.0818	SIG_FDR >
Vermont	288.18	1.18	39.11	Vermont	265.68	1.94	30.28	2.27	51.49	9.9015	0.0000	YES >	13	1.1818	0.0591	SIG_FDR >
Virginia	282.39	1.50	44.81	Virginia	257.77	1.96	37.25	2.47	72.81	9.9650	0.0000	YES >	10	0.9091	0.0455	SIG_FDR >
West Virginia	278.00	1.24	47.02	West Virginia	259.20	1.39	38.01	1.86	81.05	10.0981	0.0000	YES >	6	0.5455	0.0273	SIG_FDR >
Wyoming	280.77	1.34	23.16	Wyoming	265.09	1.64	37.97	2.12	61.01	7.4113	0.0000	YES >	22	2.0000	0.1000	SIG_FDR >
Dist. Of Columbia	261.13	3.30	10.63	Dist. Of Columbia	226.51	2.06	10.18	3.89	17.72	8.8992	0.0000	YES >	31	2.8182	0.1409	SIG_FDR >
DoDEA/DDESS	281.39	3.00	28.28	DoDEA/DDESS	268.34	2.69	44.31	4.03	65.06	3.2403	0.0019	YES >	43	3.9091	0.1955	SIG_FDR >
DoDEA/DoDDS	280.35	1.63	20.52	DoDEA/DoDDS	270.55	2.27	21.13	2.79	38.08	3.5119	0.0012	YES >	42	3.8182	0.1909	SIG_FDR >
Guam	238.00	2.24	6.48	Guam	215.77	4.25	15.14	4.80	20.96	4.6282	0.0002	YES >	40	3.6364	0.1818	SIG_FDR >

2000 S Lunch Differences

NAEP 1996 GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:

Significant Test Calculation for Average Scale Score Between Student Eligible and Not Eligible for School Lunch Program

1996 SLunch Not Eligible				1996 SLunch Eligible				Pooled		T Test			Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	278.83	1.51	15.21	Nation	251.63	1.51	34.31	2.13	42.03	12.7532	0.0000	YES >				
Northeast	283.84	4.50	4.89	Northeast	259.76	4.05	11.53	6.06	12.53	3.9759	0.0018	YES >	4	2.0000	0.1000	SIG_FDR >
Southeast	272.44	3.60	8.81	Southeast	244.06	3.17	19.58	4.80	21.82	5.9140	0.0000	YES >	2	1.0000	0.0500	SIG_FDR >
Central	283.83	2.24	15.42	Central	251.89	5.44	9.16	5.88	12.33	5.4312	0.0002	YES >	3	1.5000	0.0750	SIG_FDR >
West	275.65	2.31	13.93	West	251.81	2.60	24.90	3.48	37.70	6.8478	0.0000	YES >	1	0.5000	0.0250	SIG_FDR >
Alabama	269.51	2.28	13.22	Alabama	236.93	2.20	9.03	3.17	21.70	10.2847	0.0000	YES >	28	0.6667	0.0333	SIG_FDR >
Alaska	282.45	2.30	24.12	Alaska	256.62	5.16	7.16	5.65	10.17	4.5723	0.0010	YES >	42	1.0000	0.0500	SIG_FDR >
Arizona	277.00	1.26	49.47	Arizona	253.93	3.84	9.03	4.04	11.05	5.7082	0.0001	YES >	40	0.9524	0.0476	SIG_FDR >
Arkansas	269.93	1.37	32.25	Arkansas	246.15	2.67	13.10	3.00	20.35	7.9146	0.0000	YES >	34	0.8095	0.0405	SIG_FDR >
California	276.28	1.89	48.08	California	246.31	2.10	41.19	2.83	86.33	10.5967	0.0000	YES >	3	0.0714	0.0036	SIG_FDR >
Colorado	282.37	1.22	52.77	Colorado	259.35	1.53	41.51	1.96	84.31	11.7440	0.0000	YES >	1	0.0238	0.0012	SIG_FDR >
Connecticut	287.12	1.08	41.78	Connecticut	254.23	3.31	8.72	3.49	10.66	9.4367	0.0000	YES >	38	0.9048	0.0452	SIG_FDR >
Delaware	274.11	1.15	37.29	Delaware	246.89	1.93	27.68	2.24	46.53	12.1409	0.0000	YES >	6	0.1429	0.0071	SIG_FDR >
Florida	275.09	1.81	11.67	Florida	247.92	2.18	9.11	2.83	18.99	9.5842	0.0000	YES >	31	0.7381	0.0369	SIG_FDR >
Georgia	272.76	2.14	17.41	Georgia	241.65	1.49	32.14	2.61	34.01	11.9187	0.0000	YES >	12	0.2857	0.0143	SIG_FDR >
Hawaii	268.74	1.21	45.12	Hawaii	249.46	1.55	31.11	1.97	64.38	9.7988	0.0000	YES >	11	0.2619	0.0131	SIG_FDR >
Indiana	281.52	1.38	45.15	Indiana	256.06	1.93	35.96	2.37	68.07	10.7276	0.0000	YES >	5	0.1190	0.0060	SIG_FDR >
Iowa	287.08	1.20	59.13	Iowa	272.11	2.60	47.98	2.86	68.15	5.2266	0.0000	YES >	37	0.8810	0.0440	SIG_FDR >
Kentucky	275.71	1.29	17.35	Kentucky	252.33	1.29	37.40	1.82	47.59	12.8216	0.0000	YES >	4	0.0952	0.0048	SIG_FDR >
Louisiana	265.12	1.53	26.96	Louisiana	240.83	1.82	37.52	2.38	64.48	10.2151	0.0000	YES >	9	0.2143	0.0107	SIG_FDR >
Maine	287.63	1.29	32.39	Maine	272.10	2.15	10.39	2.51	18.43	6.1938	0.0000	YES >	39	0.9286	0.0464	SIG_FDR >
Maryland	279.08	2.44	24.62	Maryland	242.84	2.30	24.03	3.36	48.55	10.7892	0.0000	YES >	10	0.2381	0.0119	SIG_FDR >
Massachusetts	284.01	1.54	32.49	Massachusetts	253.69	2.55	25.58	2.98	43.17	10.1904	0.0000	YES >	16	0.3810	0.0190	SIG_FDR >
Michigan	283.85	1.75	33.56	Michigan	257.02	2.69	16.60	3.21	30.89	8.3706	0.0000	YES >	29	0.6905	0.0345	SIG_FDR >
Minnesota	288.04	1.31	42.10	Minnesota	269.70	1.78	26.64	2.21	53.50	8.3015	0.0000	YES >	23	0.5476	0.0274	SIG_FDR >
Mississippi	265.11	1.25	28.06	Mississippi	238.77	1.60	12.02	2.03	26.83	12.9827	0.0000	YES >	17	0.4048	0.0202	SIG_FDR >
Missouri	279.78	1.31	51.73	Missouri	259.25	1.91	43.32	2.32	79.15	8.8523	0.0000	YES >	13	0.3095	0.0155	SIG_FDR >
Montana	289.55	1.00	43.79	Montana	265.55	2.57	34.53	2.76	44.98	8.6934	0.0000	YES >	24	0.5714	0.0286	SIG_FDR >
Nebraska	287.59	1.08	43.21	Nebraska	269.36	1.93	10.87	2.22	18.30	8.2259	0.0000	YES >	35	0.8333	0.0417	SIG_FDR >
New Mexico	272.04	1.35	30.51	New Mexico	250.55	1.81	19.06	2.26	38.75	9.5270	0.0000	YES >	22	0.5238	0.0262	SIG_FDR >
New York	282.12	1.47	38.44	New York	253.06	2.45	27.22	2.85	46.04	10.1836	0.0000	YES >	14	0.3333	0.0167	SIG_FDR >
North Carolina	277.00	1.50	35.12	North Carolina	250.44	1.77	24.77	2.32	53.64	11.4258	0.0000	YES >	7	0.1667	0.0083	SIG_FDR >
North Dakota	288.02	0.95	53.63	North Dakota	274.42	1.96	33.35	2.18	49.06	6.2493	0.0000	YES >	33	0.7857	0.0393	SIG_FDR >
Oregon	282.19	1.54	33.07	Oregon	261.90	2.12	22.60	2.62	44.18	7.7472	0.0000	YES >	27	0.6429	0.0321	SIG_FDR >
Rhode Island	276.95	0.89	33.03	Rhode Island	250.31	2.17	21.89	2.34	29.41	11.3660	0.0000	YES >	19	0.4524	0.0226	SIG_FDR >
South Carolina	272.38	1.60	36.33	South Carolina	246.18	1.72	23.19	2.35	54.55	11.1590	0.0000	YES >	8	0.1905	0.0095	SIG_FDR >
Tennessee	270.67	1.92	38.77	Tennessee	245.65	2.34	42.48	3.03	79.43	8.2561	0.0000	YES >	18	0.4286	0.0214	SIG_FDR >
Texas	281.82	1.51	30.78	Texas	251.94	1.65	20.45	2.23	47.04	13.3905	0.0000	YES >	2	0.0476	0.0024	SIG_FDR >
Utah	279.54	0.95	62.00	Utah	267.69	2.38	15.84	2.56	21.23	4.6262	0.0001	YES >	41	0.9762	0.0488	SIG_FDR >
Vermont	282.87	1.12	37.93	Vermont	265.75	1.77	45.67	2.10	75.02	8.1555	0.0000	YES >	21	0.5000	0.0250	SIG_FDR >
Virginia	276.86	1.31	24.93	Virginia	245.87	2.63	14.34	2.94	21.52	10.5410	0.0000	YES >	26	0.6190	0.0310	SIG_FDR >
Washington	282.41	1.15	28.42	Washington	258.31	2.08	30.33	2.37	46.98	10.1517	0.0000	YES >	15	0.3571	0.0179	SIG_FDR >
West Virginia	270.84	1.13	41.93	West Virginia	253.78	1.51	24.27	1.89	49.92	9.0181	0.0000	YES >	20	0.4762	0.0238	SIG_FDR >
Wisconsin	288.67	1.29	52.59	Wisconsin	261.60	2.97	20.29	3.24	28.23	8.3673	0.0000	YES >	30	0.7143	0.0357	SIG_FDR >
Wyoming	277.46	1.05	44.15	Wyoming	262.42	1.81	52.98	2.10	83.44	7.1753	0.0000	YES >	25	0.5952	0.0298	SIG_FDR >
Dist. Of Columbia	244.75	2.39	14.49	Dist. Of Columbia	225.96	1.81	40.53	3.00	32.11	6.2643	0.0000	YES >	36	0.8571	0.0429	SIG_FDR >
DoDEA/DDESS	275.81	2.83	41.56	DoDEA/DDESS	259.62	4.46	17.34	5.28	31.96	3.0659	0.0045	YES >	43	1.0238	0.0512	SIG_FDR >
DoDEA/DoDDS	275.81	1.26	35.89	DoDEA/DoDDS	266.98	3.58	20.31	3.80	25.41	2.3262	0.0284	YES >	44	1.0476	0.0524	SIG_FDR >
Guam	243.31	1.85	57.21	Guam	217.42	3.69	39.57	4.13	59.40	6.2739	0.0000	YES >	32	0.7619	0.0381	SIG_FDR >

1996 S Lunch Differences

NAEP GRADE 8 NATIONAL AND STATE MATH ASSESSMENT:

Significant Test Calculation for Change in Average Scale Score Gap for Student Eligible and Not Eligible School Lunch Program from 1996 to 2000

2000 Gap (NE-E)				1996 Gap (NE-E)				Pooled		T- Test				Multiplicative	Adjusted	
Nation & States	Xmean	Xse	Xdf	Nation & States	Ymean	Yse	Ydf	SE	DF	T Value	Probability	Sig	Test #	factor	Alpha	SIG_FDR
Nation	29.47	1.63	116.49	Nation	27.20	2.13	42.03	2.68	93.93	0.8473	0.3990					
Northeast	32.46	3.41	32.66	Northeast	24.08	6.06	12.53	6.95	20.95	1.3477	0.1928		1	0.2500	0.0125	
Southeast	26.34	2.65	37.83	Southeast	28.38	4.80	21.82	5.48	35.29	-0.3729	0.7115		4	1.0000	0.0500	
Central	25.30	4.36	18.24	Central	31.94	5.88	12.33	7.32	24.60	-0.9065	0.3737		3	0.7500	0.0375	
West	28.40	3.06	59.62	West	23.84	3.48	37.70	4.64	86.06	0.9826	0.3286		2	0.5000	0.0250	
Alabama	31.65	2.48	65.78	Alabama	32.58	3.17	21.70	4.02	50.23	-0.2291	0.8197		32	2.4615	0.1231	
Arizona	28.03	2.89	59.89	Arizona	23.07	4.04	11.05	4.97	24.08	0.9970	0.3287		13	1.0000	0.0500	
Arkansas	20.66	2.61	57.54	Arkansas	23.78	3.00	20.35	3.98	52.09	-0.7834	0.4369		17	1.3077	0.0654	
California	31.32	3.95	36.01	California	29.97	2.83	86.33	4.85	74.34	0.2775	0.7822		29	2.2308	0.1115	
Connecticut	41.20	4.21	4.51	Connecticut	32.89	3.49	10.66	5.46	10.69	1.5217	0.1591		10	0.7692	0.0385	
Georgia	29.44	2.17	80.23	Georgia	31.10	2.61	34.01	3.39	80.79	-0.4896	0.6257		23	1.7692	0.0885	
Hawaii	18.74	2.55	32.90	Hawaii	19.28	1.97	64.38	3.22	70.83	-0.1671	0.8677		35	2.6923	0.1346	
Indiana	20.36	2.65	29.01	Indiana	25.46	2.37	68.07	3.56	73.90	-1.4344	0.1557		9	0.6923	0.0346	
Kentucky	24.37	2.29	63.36	Kentucky	23.38	1.82	47.59	2.92	110.22	0.3373	0.7365		26	2.0000	0.1000	
Louisiana	29.42	2.62	39.57	Louisiana	24.30	2.38	64.48	3.54	93.03	1.4500	0.1504		8	0.6154	0.0308	
Maine	14.18	2.51	64.52	Maine	15.53	2.51	18.43	3.54	57.29	-0.3814	0.7043		25	1.9231	0.0962	
Maryland	35.12	2.58	64.06	Maryland	36.24	3.36	48.55	4.23	97.01	-0.2641	0.7923		30	2.3077	0.1154	
Massachusetts	28.05	3.13	21.70	Massachusetts	30.32	2.98	43.17	4.32	55.79	-0.5264	0.6008		22	1.6923	0.0846	
Michigan	30.71	2.78	57.04	Michigan	26.83	3.21	30.89	4.24	72.57	0.9124	0.3646		15	1.1538	0.0577	
Minnesota	17.06	3.62	28.79	Minnesota	18.34	2.21	53.50	4.24	50.43	-0.3016	0.7642		27	2.0769	0.1038	
Mississippi	25.41	2.55	46.08	Mississippi	26.34	2.03	26.83	3.26	72.78	-0.2857	0.7759		28	2.1538	0.1077	
Missouri	24.24	2.66	42.62	Missouri	20.53	2.32	79.15	3.53	100.75	1.0508	0.2959		12	0.9231	0.0462	
Montana	16.68	3.08	17.77	Montana	24.01	2.76	44.98	4.14	46.00	-1.7699	0.0834		4	0.3077	0.0154	
Nebraska	25.58	2.72	36.63	Nebraska	18.23	2.22	18.30	3.51	53.88	2.0948	0.0410	YES >	3	0.2308	0.0115	
New Mexico	21.01	2.96	22.92	New Mexico	21.50	2.26	38.75	3.73	47.71	-0.1306	0.8967		37	2.8462	0.1423	
New York	25.24	4.54	16.74	New York	29.07	2.85	46.04	5.36	30.83	-0.7142	0.4806		18	1.3846	0.0692	
North Carolina	27.40	2.18	80.14	North Carolina	26.56	2.32	53.64	3.19	124.95	0.2618	0.7939		31	2.3846	0.1192	
North Dakota	16.01	2.98	34.25	North Dakota	13.60	2.18	49.06	3.69	67.23	0.6536	0.5156		20	1.5385	0.0769	
Oregon	23.85	3.37	71.83	Oregon	20.29	2.62	44.18	4.27	116.00	0.8330	0.4066		16	1.2308	0.0615	
Rhode Island	30.41	2.06	41.56	Rhode Island	26.64	2.34	29.41	3.12	64.90	1.2102	0.2307		11	0.8462	0.0423	
South Carolina	26.71	2.25	48.23	South Carolina	26.20	2.35	54.55	3.25	102.75	0.1582	0.8746		36	2.7692	0.1385	
Tennessee	29.10	3.04	39.11	Tennessee	25.03	3.03	79.43	4.29	104.58	0.9490	0.3448		14	1.0769	0.0538	
Texas	24.64	2.66	34.37	Texas	29.89	2.23	47.04	3.47	73.33	-1.5132	0.1345		7	0.5385	0.0269	
Utah	19.51	2.24	47.30	Utah	11.85	2.56	21.23	3.41	52.48	2.2497	0.0287	YES >	2	0.1538	0.0077	
Vermont	22.50	2.27	51.49	Vermont	17.12	2.10	75.02	3.09	117.95	1.7374	0.0849		5	0.3846	0.0192	
Virginia	24.62	2.47	72.81	Virginia	30.99	2.94	21.52	3.84	54.61	-1.6578	0.1032		6	0.4615	0.0231	
West Virginia	18.80	1.86	81.05	West Virginia	17.05	1.89	49.92	2.65	122.63	0.6570	0.5124		19	1.4615	0.0731	
Wyoming	15.68	2.12	61.01	Wyoming	15.04	2.10	83.44	2.98	140.55	0.2148	0.8302		33	2.5385	0.1269	
Dist. Of Columbia	34.62	3.89	17.72	Dist. Of Columbia	18.79	3.00	32.11	4.91	37.71	3.2214	0.0027	YES >	1	0.0769	0.0038	SIG_FDR >
DoDEA/DDESS	13.05	4.03	65.06	DoDEA/DDESS	16.19	5.28	31.96	6.64	68.56	-0.4729	0.6378		24	1.8462	0.0923	
DoDEA/DoDDS	9.81	2.79	38.08	DoDEA/DoDDS	8.83	3.80	25.41	4.71	50.49	0.2069	0.8369		34	2.6154	0.1308	
Guam	22.22	4.80	20.96	Guam	25.88	4.13	59.40	6.33	53.10	-0.5780	0.5657		21	1.6154	0.0808	

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